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Reregistration Eligibility Decision for Allethrins

Revised May 2009

**Reregistration Eligibility Decision (RED) for
Allethrins**

List C

Case No. 0437

Revised May 2009

Approved by: Richard P. Keigwin, Jr.

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Date: 5/27/09

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Glossary of Terms and Abbreviations

ai	Active Ingredient
CFR	Code of Federal Regulations
CSF	Confidential Statement of Formula
DCI	Data Call-In
DFR	Dislodgeable Foliar Residue
DNT	Developmental Neurotoxicity
EC	Emulsifiable Concentrate Formulation
EEC	Estimated Environmental Concentration
EPA	Environmental Protection Agency
EUP	End-Use Product
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FFDCA	Federal Food, Drug, and Cosmetic Act
G	Granular Formulation
GLN	Guideline Number
HP	High pressure
LC ₅₀	Median Lethal Concentration. A statistically derived concentration of a substance that can be expected to cause death in 50% of test animals. It is usually expressed as the weight of substance per weight or volume of water, air or feed, e.g., mg/l, mg/kg or ppm.
LD ₅₀	Median Lethal Dose. A statistically derived single dose that can be expected to cause death in 50% of the test animals when administered by the route indicated (oral, dermal, inhalation). It is expressed as a weight of substance per unit weight of animal, e.g., mg/kg.
LOC	Level of Concern
LOAEL	Lowest Observed Adverse Effect Level
LP	Low pressure
mg/kg/day	Milligram Per Kilogram Per Day
mg/L	Milligrams Per Liter
MOE	Margin of Exposure
MRID	Master Record Identification (number). EPA's system of recording and tracking studies submitted.
MUP	Manufacturing-Use Product
N/A	Not Applicable
NDETF	Non-Dietary Exposure Task Force
NLAA	Not Likely to Adversely Affect
NR	Not Required
NOAEL	No Observed Adverse Effect Level
OPP	EPA Office of Pesticide Programs
OPPTS	EPA Office of Prevention, Pesticides and Toxic Substances
PCA	Percent Crop Area
PHED	Pesticide Handler's Exposure Data
PHI	Preharvest Interval
ppb	Parts Per Billion
PPE	Personal Protective Equipment
ppm	Parts per Million
RED	Reregistration Eligibility Decision
REI	Restricted Entry Interval
RfD	Reference Dose
RQ	Risk Quotient
SF	Safety Factor
SLC	Single Layer Clothing
SOP	Standard Operating Procedure
TGAI	Technical Grade Active Ingredient
USDA	United States Department of Agriculture
UF	Uncertainty Factor
UF _{db}	Database Uncertainty Factor

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Revision to the Allethrina Reregistration Eligibility Decision

The Reregistration Eligibility Decision (RED) document for the allethrins was signed on June 30, 2007. The Agency subsequently determined a registered use was not considered in the allethrins RED. A product (registration number 21165-62) was identified that can be applied either through automated misting systems in commercial horse barns, dog kennels, or zoo animal quarters, or as a space spray applied indoors or outdoors through handheld foggers. The handheld fogger scenario described in the original RED document was based on a higher application rate than is permitted on registration 21165-62 and, therefore, is protective of this use and no RED revisions are required for handheld foggers. However, the use of this product in commercial animal housing misting systems was not addressed in the RED or in the supporting risk assessments. As a result, the Agency updated the allethrins occupational and residential risk assessment to include an evaluation of the commercial animal premise automated misting system use, and revised the RED document accordingly. All other, previously considered, risk assessments remain the same. The *Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009, can be found in the docket at <http://www.regulations.gov> under docket identification (ID) number EPA-HQ-OPP-2006-0986.

The revisions made to the allethrins RED are as follows:

- In Section III, the occupational risk assessment has been updated to include a use in barn/stable automated misting systems.
- Discussion of the animal barn automatic misting system was added to Section IV.
- In Section V, revisions were made to Table 11 (Summary of Labeling Changes), based on PR Notice 2008-1, "Environmental Hazard General Labeling Statements on Outdoor Residential Use Products." Label specifications for animal premise automatic misting systems were also added.
- In Appendix A, some use rates were corrected based on conversations with the technical registrants, which indicated that some of the use rates captured in the original table did not reflect the maximum labeled rate. The Agency conducted a review of the relevant labels, and updated the table accordingly.

Abstract

The Environmental Protection Agency (EPA or the Agency) has completed the human health and environmental risk assessments for the allethrin series of pyrethroid insecticides and is issuing its risk management decision. The allethrin series of pyrethroid insecticides includes bioallethrin (PC code 004003), esbiol (004004), esbiothrin (004007, formerly 004003/004004), and pynamin forte (004005). The allethrin series are not registered for use on food, and they have no U.S. tolerances associated with their use; therefore, they are not subject to Food Quality Protection Act (FQPA). The risk assessments, which are summarized below, are based on the review of the required database supporting the use patterns of currently registered products and additional data provided by the technical registrants, Valent BioSciences Corporation and Sumitomo Chemical Company, Ltd.

The allethrin series are used to control flying and crawling insects in a number of commercial, horticultural and residential applications. Commercial applications include space, broadcast and crack and crevice treatment in a variety of commercial, industrial, residential, and institutional sites. Horticultural applications include foliar and fogger treatment on non-food plants. Residential uses include pest control in homes and outdoor domestic structures, on gardens and direct application to cats, dogs and horses. Allethrin series are also approved for use in commercial animal premise (indoor) misting systems. The registered uses of the allethrin series are not expected to adversely impact groundwater or surface water; therefore, a drinking water assessment was not performed. Because there are no food uses or potential exposures to drinking water, the reregistration action considered potential residential, occupational, and ecological risk.

For residential handler risk, all scenarios assessed were greater than the Agency's Level of Concern (LOC), i.e., the Margins of Exposure (MOEs) were above 1000. For residential post-application risk, the MOEs are all greater than the target MOE of 1000 after mitigation measures are incorporated, except for inhalation exposures from yard and patio total release foggers. However, the Agency does not anticipate a risk of concern from this use.

Occupational handler and post-application inhalation exposures were assessed. Most of the inhalation MOEs are greater than the Agency's target occupational MOE of 100 without respirators, and therefore, the inhalation risks are not of concern. The high pressure handwand scenario is of concern without respirators and requires a dust mask to achieve the target MOE. The space spray fogger scenario is also of concern and requires a PF50 full face respirator with appropriate cartridges to achieve the target MOE, as well as a maximum concentration reduction from 3.0% ai to 1.5% ai in product. The MOEs for the occupational post-application scenarios assessed exceed the Agency's target MOE of 100 and are not of concern.

The Agency evaluated potential ecological risk from both indoor and outdoor uses of the allethrin series. The technical registrant voluntarily agreed to cancel pet shampoos and dips; therefore, there is no longer potential ecological exposure from indoor products containing allethrin series, and no further mitigation is necessary for indoor uses. Although current label uses include several potentially large-scale outdoor uses, they are not being supported by the technical registrant. Since outdoor uses will be limited to localized spot treatments, no additional mitigation measures for these uses are required.

I. Introduction

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) was amended in 1988 to accelerate the reregistration of products with active ingredients registered prior to November 1, 1984. The amended Act calls for the development and submission of data to support the reregistration of an active ingredient, as well as a review of all submitted data by the U.S. Environmental Protection Agency (referred to as EPA or “the Agency”). Reregistration involves a thorough review of the scientific database underlying a pesticide’s registration. The purpose of the Agency’s review is to reassess the potential risks arising from the currently registered uses of the pesticide, to determine the need for additional data on health and environmental effects, and to determine whether or not the pesticide meets the “no unreasonable adverse effects” criterion of FIFRA.

This document summarizes EPA’s human health and ecological risk assessments and reregistration eligibility decision (RED) for the allethrin. The document consists of six sections. Section I contains the regulatory framework for reregistration; Section II provides an overview of the chemical and a profile of its use and usage; Section III gives an overview of the human health and environmental effects risk assessments; Section IV presents the Agency’s decision on reregistration eligibility and risk management; and Section V summarizes the label changes necessary to implement the risk mitigation measures outlined in Section IV. Finally, the Appendices list related information, supporting documents, and studies evaluated for the reregistration decision. The risk assessments for the allethrin and all other supporting documents are available in the Office of Pesticide Programs (OPP) public docket (<http://www.regulations.gov>) under docket number EPA-HQ-OPP-2006-0986.

II. Chemical Overview

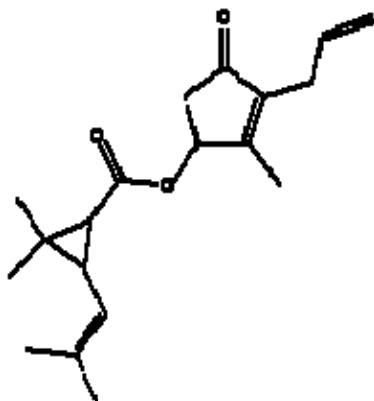
A. Regulatory History

The allethrin series of pyrethroid insecticides includes bioallethrin (PC code 004003), esbiol (004004), esbiothrin (004007, formerly 004003/004004), and pynamin forte (004005). Historically, there were two other members of the series, which have since been cancelled. Allethrin (allyl homolog of cinerin I), in its liquid form was assigned PC code 004001, and was cancelled in 1992. Allethrin in its solid form was assigned PC code 004002, and was cancelled in 1991. For a number of years, products containing esbiothrin were assigned a dual PC code (004003/004004), which led to some confusion in naming the active ingredients in registered pesticide products. To resolve this issue, in 2006, EPA established a separate PC code for products containing esbiothrin (004007). Due to the long history of the allethrins and the similarity between the allethrin compounds, there has been some additional confusion surrounding the allethrins nomenclature. During the reregistration process for the allethrins, the EPA has been in coordination with the two allethrins registrants, Valent BioSciences Corporation and Sumitomo Chemical Company, to help resolve some of these issues. To clarify, the revised chemical names, common names, and CAS numbers for the allethrins are listed in the next section, Chemical Identification.

EPA published a Registration Standard for the allethrins series in 1988, *Guidance for the Reregistration of Pesticide Products Containing Allethrin Stereoisomers as the Active Ingredient* (EPA 540/RS-88/063, issued March 24, 1988). The purpose of the Registration Standard was to “provide an orderly mechanism by which pesticide products containing the same active ingredient can be reviewed and standards set for compliance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).” It also identified studies that were acceptable to meet the data requirements of the currently registered uses, additional studies necessary to support continued registration, and labeling revisions. It further identified steps registrants were required to take to maintain their registration or apply for new registrations. A data call-in (DCI) was issued as part of the Registration Standard, followed by a second DCI, which was issued on October 6, 1995.

B. Chemical Identification

ALLETHRINS:



The allethrins are synthetic pyrethroids, and are structurally very similar to cinerin I in naturally occurring pyrethrum. When allethrin was first synthesized in 1948, it was the first pyrethroid developed, and it differs from more recently developed pyrethroids in its photolability. The more-recently developed pyrethroids have structural modifications (*i.e.*, alterations to the isobutenyl group attached to the cyclopropane moiety) that make them more persistent than the early generation pyrethroids, such as allethrin. Therefore, allethrin is among the least persistent of all pyrethroids and is less persistent than cyallethrins, cyfluthrin, cyhalothrin, deltamethrin, fenvalerate, tefluthrin, and tralomethrin. The allethrins subject to reregistration differ only in the percentage of stereoisomers present. There are three asymmetric carbons and, thus, eight potential isomers; however, four isomers are present in the greatest concentration for these products. One of the stereoisomers, d trans of d component (isomer), is recognized as being the most insecticidally active and toxicologically significant of the four isomers. Allethrins are sometimes classified as type I pyrethroids, since they lack an α -cyano substituent.

Chemical Class:	Synthetic pyrethroid
Case Number:	0437
PC Code:	Bioallethrin (004003), esbiol (004004), esbiothrin (004007), and pynamin forte (004005)
Molecular Weight:	302.4
Empirical Formula:	C ₁₉ H ₂₆ O ₃
Technical Registrants:	Valent BioSciences Corporation (bioallethrin, esbiol, esbiothrin), Sumitomo Chemical Company, Ltd. (pynamin forte)

See below for a listing of common names, chemical names, PC codes, and CAS numbers.

Bioallethrin:

OPP Chemical Code: 004003

Chemical Name: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Common name: “bioallethrin (BSI)”

CAS number: 260359-57-7

Composition: consists of [1R,trans;1R] + [1R,trans;1S] in an approximate ratio of 1:1

Esbiol: (also called S-Bioallethrin for some products)

OPP Chemical Code: 004004

Chemical name: (S)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Common name: “allethrin (ISO)”. (“Esbiol” is not an authorized common name.)

CAS number: 28434-00-6

Composition: consists predominately [$> 96\%$] of the (S)(1R,3R) enantiomer.

Esbiothrin:

OPP Chemical Code: 004007

Chemical name: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Common name: “allethrin (ISO)”. (“Esbiothrin” is not an authorized common name.)

CAS number: 260359-57-7

Composition: consists of [1R,trans;R] + [1R,trans;S] in approximate ratio of 1:3.

Pynamin Forte:

OPP Chemical Code: 004005

Chemical Name: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R; 1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Common name: “allethrin (ISO)”. (“d-allethrin” is the chemical listed in the title of the WHO Specifications and Evaluations document, but is not recognized as an authorized common name; “d-cis/trans allethrin” is listed in information from the registrants as an even more appropriate name, but they state it also is not an authorized common name.)

CAS number: 231937-89-6

Composition: consists of [1R,trans;1R] + [1R,trans;1S] + [1R,cis;1R] + [1R,cis;1S] in an approximate ratio of 4:4:1:1

Two of the technical compounds have the same CAS Number; both esbiothrin and bioallethrin are 260359-57-7, since they are primarily comprised of the same two enantiomers. However, it would be preferable to have separate CAS Nos. assigned for these two technical products. In addition, note that the common names listed above are not distinctive, since there are three technical products currently known as “allethrin (ISO)”. To resolve this, Valent Biosciences Corporation has informed the Agency that there are efforts on-going to assign distinctive common names for the respective technical products.

The analytical method used to verify the chemical identify of the members of the allethrin series can only distinguish the presence of trans and cis isomers. However, current analytical methods cannot determine their relative proportions in a sample. Since the different members of the allethrin series differ primarily in their relative proportions of the cis and trans isomers, the current Enforcement Analytical Method does not adequately distinguish the different members of the allethrin series. To address this area of uncertainty, the two technical registrants have agreed to submit analytical methods which will distinguish between the four allethrin technical products.

C. Use Profile

The following information on the currently registered uses includes an overview of use sites and application methods. A detailed table of the uses of allethrins eligible for reregistration is contained in Appendix A.

Type of Pesticide: Synthetic pyrethroid. The allethrins are insecticides, and are typically used as a “knock-down” agent. A different, residual pesticide is co-formulated with the allethrin in the end-use products to kill the target pests.

Target Organism: The primary target pests are wasps and hornets, roaches, ants, fleas, and mosquitos.

Mode of Action: The allethrins are a type I pyrethroid (i.e., lacking a cyano group at the α carbon position of the alcohol moiety). The allethrins are axonic poisons that block the closing of the sodium gates in the nerves, and, thus, prolong the return of the membrane potential to its resting state leading to hyperactivity of the nervous system which can result in paralysis and/or death.

Use Sites: Commercial applications include space, broadcast and crack and crevice treatments in a variety of commercial, industrial, residential, and institutional sites. Horticultural applications include foliar and fogger treatment on non-food plants. Residential uses include pest control in homes and outdoor domestic structures, on gardens, and direct application to pets. Allethrins are also approved for use in commercial animal premise (indoor) misting systems. There are no food uses for the allethrins, and a Federal Register final rule revoking all tolerances was published on September 29, 2004.

Use Classification: The allethrins products are designated as general use; however, some products are registered for use by pest control operators (PCOs) only.

Formulation Types: Pressurized liquid, ready-to-use (RTU) liquids, emulsifiable concentrates, liquid concentrates, pet shampoos and dips, mosquito coils and mats.

Application Methods: Allethrins are applied by power, mechanical, and commercial sprayer; automatic misting system; aerosol can; and thermal fogger.

Application Rates: Typical concentrations of active ingredients (ai) in residential use products, including ready to use (RTU) (e.g. ant and roach sprays, wasp and hornet sprays) and indoor and outdoor aerosols or aqueous sprays for crawling and flying insects, range between 0.05 % and 0.25%. Total release aerosol (TRA) foggers are typically 0.6% to 3% (total volume of the can versus the area it is designed to treat). Mats range between 7% and 24% and release active ingredient into the air by heating the mat. Coils range from 0.1% to 0.3% in concentration and also release active ingredient into the air by burning of the coil (the active is volatilized off of the coil just behind the burning part of the coil.). The maximum automatic misting system product spray dilution rate is 0.05%.

Application Timing: The application timing is not mentioned on the majority of existing allethrins labels, although some indicate re-application permitted after two weeks, while others recommend use as needed. The barn and stable automatic misting system spray frequency is limited to 1 application/hour.

D. Estimated Usage of Pesticide

Less than 30,000 lbs of allethrins are marketed on average per year. Of the four allethrins, bioallethrin is the predominant form of allethrin sold in the U.S. Pynamin forte is used exclusively in the mat and coil formulations. The majority of allethrins are used in the consumer market (i.e. homeowner uses in space and surface sprays for flying and crawling insects), and a small amount is sold into the institutional/industrial market.

III. Summary of Allethrins Risk Assessments

The following is a summary of EPA's revised human health and ecological risk assessments for the allethrins, as presented fully in the documents: *Allethrins: Revised HED Chapter of the Reregistration Eligibility Decision Document (RED) for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pynamin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated June 27, 2007; *Allethrins: Revised Occupational and Residential Exposure Assessment and Recommendations for The Reregistration Eligibility Decision (RED)*, dated June 27, 2007; *Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009; and the *Response to Comments (Phase 3) and Revised Environmental Fate and Ecological Risk Assessment in Support of the Reregistration of the Allethrins*, dated April 4, 2007. The purpose of this summary is to assist the reader by identifying the key features and findings of these risk assessments, and to help the reader better understand the conclusions reached in the assessments.

The human health and ecological risk assessment documents and supporting information listed in Appendix C were used to reach the safety finding and regulatory decision for the allethrins. While the risk assessments and related addenda are not included in this document, they are available from the OPP Public Docket, located at <http://www.regulations.gov>, under docket number EPA-HQ-OPP-2006-0986.

EPA's use of human studies in the allethrins risk assessment is in accordance with the Agency's Final Rule promulgated on January 26, 2006, related to Protections for Subjects in Human Research, which is codified in 40 CFR Part 26.

A. Human Health Risk Assessment

The human health risk assessment incorporates potential exposure, hazard, and risks from all sources, which for the allethrins is limited. There are no registered food uses for the allethrins. The majority of allethrins use is in consumer home products (indoor and outdoor surface and space sprays). There are also commercial and horticultural uses for the allethrins. Although the allethrins human health risk assessment considered a pending new use for the allethrins in food handling establishments, this use, and the risks associated with it, are not subject to reregistration at this time. The pending use in food handling establishments will not be included in the reregistration eligibility decision for the allethrins. The Agency will address this action separately. For more information on the human health risk assessment, see *Allethrins: Revised HED Chapter of the Reregistration Eligibility Decision Document (RED) for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pynamin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated June 27, 2007; *Allethrins: Revised Occupational and Residential Exposure Assessment and Recommendations for The Reregistration Eligibility Decision (RED)*, dated June 27, 2007; and *Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009. These are available under docket number EPA-HQ-OPP-2006-0986.

1. Toxicity of Allethrans

Toxicity assessments are designed to predict whether a pesticide could cause adverse health effects in humans (including short-term or acute effects, such as skin or eye damage, and lifetime or chronic effects, such as cancer, developmental effects, or reproductive effects), and the level or dose at which such effects might occur. The Agency has reviewed all toxicity studies submitted for the allethrans and has determined that the toxicological database is reliable and sufficient for reregistration. However, there are no developmental neurotoxicity or comparative neurotoxicity studies in adults and offspring available for the allethrans. Since the allethrans database is currently incomplete with respect to data on potential pre- and postnatal toxicity, the Agency applied a ten fold (10x) database uncertainty factor (UF_{DB}) to account for this lack of data. A study will be required to address uncertainty surrounding potential pre- and postnatal toxicity of the allethrans. The registrants should consult with the Agency before beginning this study.

a. Acute Toxicity Profile

Pyrethroids are neurotoxicants which act by prolonging the opening of the sodium channel in nervous tissue, resulting in a hyperexcitable state. As explained previously, the allethrans are classified as type I pyrethroids. Neurotoxicity in rats of type I pyrethroids is characterized as tremor, prostration, enhanced startle response, and aggressive behavior. Similar signs were observed in the guideline studies in which clinical signs of neurotoxicity were noted. The acute toxicity profile for each of the allethrans is summarized in Tables 1-4 below.

Table 1. Acute Toxicity Profile - Bioallethrans				
Guideline	Study Type	MRID	Results	Toxicity Category^a
870.1100	Acute Oral	00151444	LD ₅₀ : 709 mg/kg (M) 1042 mg/kg (F)	III
870.1200	Acute Dermal	41155801	LD ₅₀ > 3000 mg/kg (M&F)	III
870.1300	Acute Inhalation	42906902	LC ₅₀ : 2.51 mg/L	IV
870.2400	Primary Eye Irritation	41155803	Slight to moderate irritant	III
870.2500	Primary Skin Irritation	41155805	Very slight dermal irritant	IV
870.2600	Dermal Sensitization	41155807	Negative	N/A

a. These technical acute toxicity values included in this document are for informational purposes only. The data supporting these values may or may not meet the current acceptance criteria.

Table 2. Acute Toxicity Profile - Esbiol				
Guideline	Study Type	MRID	Results	Toxicity Category^a
870.1100	Acute Oral	00151460	LD ₅₀ : 574.5 mg/kg (M) 412.9 mg/kg (F)	II

870.1200	Acute Dermal	41155802	LD ₅₀ > 2000 mg/kg	III
870.1300	Acute Inhalation	41670801	LC ₅₀ : 1.32 mg/L (M) 1.23 mg/L (F)	III
870.2400	Primary Eye Irritation	41155804	Moderate ocular irritant	III
870.2500	Primary Skin Irritation	41155806	Not a dermal irritant.	IV
870.2600	Dermal Sensitization	41155808	Not a sensitizer	N/A

a. These technical acute toxicity values included in this document are for informational purposes only. The data supporting these values may or may not meet the current acceptance criteria.

Table 3. Acute Toxicity Profile - Esbiothrin				
Guideline	Study Type	MRID	Results	Toxicity Category^a
870.1100	Acute Oral	00151449	LD ₅₀ : 432 mg/kg (M) 378.0 mg/kg (F)	II
870.1200	Acute Dermal	00151451	LD ₅₀ > 2000 mg/kg	III
870.1300	Acute Inhalation	00151452	LC ₅₀ : 2.63 g/m ³ - unacceptable	III
870.2400	Primary Eye Irritation	00151454	Minimally	IV
870.2500	Primary Skin Irritation	00151453	Slightly	III
870.2600	Dermal Sensitization	42907001	Negative	N/A

a. These technical acute toxicity values included in this document are for informational purposes only. The data supporting these values may or may not meet the current acceptance criteria.

Table 4. Acute Toxicity Profile – Pynammin Forte				
Guideline	Study Type	MRID	Results	Toxicity Category^a
870.1100	Acute Oral	41017101	LD ₅₀ S= M: 2150 mg/kg F: 900 mg/kg	III
870.1200	Acute Dermal	41017102	M: 2660 mg/kg F: 4390 mg/kg	III
870.1300	Acute Inhalation	41017103	LC ₅₀ > 3.875 mg/L	IV
870.2400	Primary Eye Irritation	41017104	Slight irritant	III
870.2500	Primary Skin Irritation	41017104	Negative	IV
870.2600	Dermal Sensitization	41017105	Negative	N/A

a. These technical acute toxicity values included in this document are for informational purposes only. The data supporting these values may or may not meet the current acceptance criteria.

b. Toxicological Endpoints

The toxicological endpoints used in the human health risk assessment for the allethrins are listed in Table 5 below. The observed endpoints for risk assessment were based on neurotoxicity and liver toxicity. Because observed endpoints for risk assessment were at the same or lower dose at which developmental and reproductive toxicity occurred, there were no concerns for sensitivity of offspring. Clinical signs of neurotoxicity occurred in an inhalation study with esbiol. The point of departure (POD) for intermediate-term incidental oral exposure was selected based upon a benchmark dose analysis because of the 6x difference between the NOAEL (6 mg/kg/day) and the LOAEL (36 mg/kg/day). A 10% response for the benchmark dose (BMD₁₀) was selected because of the mild nature of the lesions, characterized as "acute swelling of hepatocytes," which did not progress in severity at the high dose. The selected BMDL₁₀ value was 267 ppm, which is the lower 95% confidence limit on the BMD₁₀. This dietary concentration was converted to a mg/kg/day dose. Only inhalation and incidental oral endpoints have been assessed, because no systemic effects were observed at the limit dose in the dermal toxicity studies in test animals, and no toxicity endpoint was selected for dermal exposure.

The target MOE (i.e., level of concern) for residential incidental oral and inhalation exposures is 1000. This includes the standard uncertainty factors of 10X for interspecies extrapolation, 10X for intraspecies variation, and an additional 10X UF_{DB} due to lack of data on potential pre- and postnatal toxicity. The target MOE for occupational inhalation exposures is 100 because the database uncertainty factor does not apply to occupational exposures. The uncertainty factors (UF) used to account for interspecies extrapolation and intraspecies variability are also described in Table 5.

Table 5. Toxicology Endpoints for the Allethrins				
Exposure/Scenario	Point of Departure	Uncertainty Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
Incidental Oral Short-Term (1-30 days)	NOAEL = 20 mg/kg/day	UF _A = 10x UF _H = 10x UF _{DB} = 10x	Residential LOC for MOE = 1000.	30-day dog (esbiothrin). LOAEL = 63 mg/kg/day based on elevated liver enzymes and increased liver weight
Incidental Oral Intermediate-Term (1-6 months)	BMDL ₁₀ = 8 mg/kg/day	UF _A = 10x UF _H = 10x UF _{DB} = 10x	Residential LOC for MOE = 1000.	6-month dog (Bioallethrin). BMDL ₁₀ based on based on microscopic liver changes (hepatocellular degeneration)
Dermal (all durations)	N/A	N/A	N/A	No systemic toxicity at 1000 mg/kg/day with esbiothrin or esbiol and negligible dermal absorption with pyrethrins (0.22%)
Inhalation (all durations)	NOAEL = 1.3 mg/kg/day	UF _A = 10x UF _H = 10x UF _{DB} = 10x	Residential LOC for MOE = 1000. Occupational LOC for MOE = 100.	28-day inhalation study in rats (esbiol). LOAEL = 6.5 mg/kg/day based on clinical signs in females (limb tremors, hunched posture, vocalization during handling)
Cancer (oral, dermal, inhalation)	Classification: Suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential (esbiothrin).			

Table 5. Toxicology Endpoints for the Allethrins				
Exposure/ Scenario	Point of Departure	Uncertainty Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
NOAEL = no observed adverse effect level. UF = uncertainty factor. UF _A = extrapolation from animal to human (intraspecies). UF _H = potential variation in sensitivity among members of the human population (interspecies). UF _{DB} = database uncertainty factor. BMDL ₁₀ = bench mark dose level. MOE = margin of exposure. LOC = level of concern. N/A = not applicable.				

2. Carcinogenicity of Allethrins

Genetic toxicity studies with esbiol, esbiothrin, bioallethrin, and pyramin forte were negative for mutagenicity. Carcinogenicity studies were conducted with esbiothrin and pyramin forte. In these studies, the only evidence of carcinogenicity was rare benign kidney tumors in male rats treated with esbiothrin. Doses in the mouse carcinogenicity study were considered inadequate and the cancer classification for esbiothrin is "suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential."

3. Metabolites and Degradates

The Agency reviewed the metabolism of allethrins, and concluded that for tolerance expression and risk assessment, the parent compound, allethrin, is the only residue of toxicological concern. For additional details, refer to *Allethrins: Revised HED Chapter of the Reregistration Eligibility Decision Document (RED) for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pyramin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated December June 27, 2007.

4. Dietary Exposure and Risk (Food + Water)

There are no food uses for the allethrins currently registered; therefore, dietary exposure is not of concern. Although the human health risk assessment previously cited includes a dietary assessment for a proposed new use in food handling establishments, this action is not included in the allethrins reregistration case, and is outside the scope of this RED. The Agency will address this action separately. The use of allethrins by commercial applicators in handheld foggers applied to residential building premises, assessed in the *Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009, is restricted to spot use only, as are all other outdoor uses of allethrins products. Since there are no outdoor, broadcast uses registered, the use of allethrins products is not expected to adversely impact groundwater or surface water (the sources of drinking water); therefore, a drinking water assessment was not performed.

5. Residential Exposure and Risk

Residential exposure assessments consider potential non-occupational pesticide exposure. For allethrins, the Agency has evaluated potential exposure and risk to allethrins for homeowners who handle (mix, load, and apply) products containing allethrins. The Agency also evaluated potential post-application risk to adults and children entering allethrins-treated areas.

To estimate residential (inhalation and incidental oral) risks, the Agency calculates a margin of exposure (MOE), which is the ratio of the toxicity endpoint (NOAEL or BMDL₁₀) selected for risk assessment to the exposure. This MOE is compared to a level of concern, which is the same value as the uncertainty factor (UF) applied to a particular toxicity study. The standard UF is 100x (10x to account for interspecies extrapolation and 10x for intraspecies variation). Since the allethrins database is currently incomplete with respect to data on potential pre- and postnatal toxicity, the Agency applied a ten fold (10x) UF_{DB} to account for this lack of data. A study will be required to address uncertainty surrounding potential pre- and postnatal toxicity of the allethrins. Thus, the target level of concern for the allethrins is 1000. A summary of the allethrins residential risk follows. For further information on residential risk, refer to *Allethrins: Revised HED Chapter of the Reregistration Eligibility Decision Document (RED) for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pynamin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated December June 27, 2007.

a. Residential Handler Risks

The Agency determined that there is the potential for residential handlers to be exposed to allethrins during pesticide applications from aerosol cans made in indoor and outdoor residential settings to several use sites. While some allethrin products are packaged as ready-to-use (RTU) trigger sprayer bottles, the handler risks calculated from aerosol can application are protective of risks from trigger sprayer applications because the unit exposure values are lower for trigger sprayer application. Only short-term (1-30 days) inhalation exposures were assessed because of the infrequency of use associated with the residential homeowner products. Dermal exposures were not assessed, because no dose or endpoints were selected from available toxicity studies for dermal exposure.

Pesticide handler exposure database (PHED) unit exposure values were used to assess exposures, because chemical-specific monitoring data were not available. The following assumptions were also used in estimating risks from residential handler exposure to allethrins:

- The body weight of an adult handler is 70 kg.
- One aerosol can is used per day. This assumption is based upon the HED Science Advisory Committee on Exposure SOP 12: “Recommended Revisions to the Standard Operating Procedures for Residential Exposure Assessment” (2/22/2001).
- An aerosol can contains 9 to 16 ounces by weight of product based upon currently registered labels.
- The percent ai in the products ranges from 0.10 to 0.50 percent by weight based upon currently registered labels.

Risk to homeowners handling allethrins products are below the Agency’s LOC. The inhalation MOEs for all scenarios assessed are greater than 1000 (ranging from 15,000 to 70,000). See Table 6 for further detail.

Table 6. Residential Handler Risks for Aerosol Can Applications				
Use Scenario	Percent Active Ingredient (AI) in Product	Amount of Product Used per Day	Amount of AI Used per Day	Inhalation MOE
Indoor Surface or Space Spray	0.50	One 15 ounce can	0.0047 lb	15,000
Pet and Bedding Spray	0.32	One 9 ounce can	0.0018 lb	39,000
Hand Held Yard and Patio Fogger	0.15	One 16 ounce can	0.0015 lb	46,000
Wasp and Hornet Nests	0.10	One 16 ounce can	0.0010 lb	70,000

b. Residential Post-Application Risks

The Agency uses the term “post-application” to describe exposures to individuals that occur as a result of being in an environment that has been previously treated with a pesticide. Unlike residential handler exposure, where the Agency assumed only adults will be handling and applying allethrin products, individuals of varying ages can potentially be exposed when reentering or performing activities in areas that have been previously treated.

For the allethrin, inhalation exposures may occur when consumer-use space spray products, patio foggers, mosquito coils, or fly mats are used; therefore, inhalation exposures were assessed for adults and toddlers for these scenarios. Inhalation risk following application of space sprays by a professional applicator was not assessed, because treated areas are vacated prior to application and ventilated prior to re-occupancy; therefore, the Agency believes little or no post-application inhalation exposure will occur. Only short-term exposure was considered for inhalation risk, since the endpoint for inhalation exposures is the same for all durations of exposure.

Although the allethrin product (registration number 21165-62) registered for use in animal premise automatic misting systems is limited to use in commercial and industrial horse barns, dog kennels, and zoo quarters, there is still some potential for non-occupational exposures from this use as well, since commercial horse barns and dog kennels can be frequented by individuals other than workers. For instance, some people board their horses at commercial stables. Currently, the Agency does not have a Standard Operating Procedures (SOP) to assess non-occupational post-application exposure for the “hobby barn” scenario. The Agency is currently revising SOPs and is considering assessing post-application exposure for those who may be exposed to this scenario. While the assumptions in the occupational exposure scenario (i.e., 8 hours spent in the barn) are likely an overestimate of risk, the Agency has no information at this time to characterize the amount of time horse owners that board their horses spend in commercial stables. The animal barn misting system MOE of 245 (based on an 8-hour exposure duration), is below the non-occupational (or residential) target MOE of 1000. For exposure durations 1.5 hours or less, the animal barn misting system risk estimate is above the non-occupational target MOE of 1000 and, therefore, is not of concern. Furthermore, the risk estimate for the metered release scenario described above is conservative, since it was assumed that the aerosols would remain airborne until they were removed by ventilation, and the effects

of aerosol settling were not considered. Upon development of SOPs to assess non-occupational post-application exposures for hobby barn scenarios, the Agency intends to reevaluate this exposure scenario during Registration Review.

Incidental oral exposures may occur after surface applications of the allethrin are made by a consumer or professional applicator to residential areas such as carpets, vinyl and flooring. Incidental oral exposures for these scenarios were, therefore, assessed for both adults and toddlers. Incidental oral exposure may also occur through contact with pets that have been treated with pet sprays or shampoos. Incidental oral exposures from pet spray applications were calculated; these MOEs are also protective of dip or shampoo applications, since the shampoos and dips are used at lower dilution rates than the spray formulations. Because there are different toxicological endpoints for short- and intermediate-term incidental oral exposures, MOEs for both durations were calculated.

Only inhalation and incidental oral exposures have been assessed; dermal exposures were not assessed, because no dose or endpoints were selected from available toxicity studies for dermal exposure. The following scenarios were assessed:

- Toddler incidental oral ingestion of residues on indoor surfaces after fogger treatment.
- Toddler incidental oral ingestion of residues on indoor surfaces after PCO broadcast surface treatment.
- Toddler incidental oral ingestion of residues on indoor surfaces after consumer spot surface treatment.
- Inhalation exposures from space spray application
- Inhalation exposures from mosquito coils and fly mats
- Inhalation exposures from yard and patio foggers
- Incidental oral exposures from pet sprays

Exposure data for assessing post-application exposures from the use of foggers and aerosols in indoor residential settings were based upon pyrethrins studies conducted by the Non-Dietary Exposure Task Force (NDETF). The pyrethrins study data are considered applicable for allethrin because of the structural similarity between pyrethrins and allethrin. The residential risk assessment is also based on current label rates and use instructions, as well as on estimates of what and how much homeowners typically treat, such as the size of a house or spot treatment, from the Agency's standard operating procedures for residential exposures and best professional judgment. For more information on the daily volume handled and the area treated used in each residential handler scenario, refer to both the *Allethrins: HED Chapter of the Reregistration Eligibility Decision Document (RED). Phase 2 Error Correction Reregistration Action for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pynamin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated December 20, 2006, and *Allethrins: Revised HED Chapter of the Reregistration Eligibility Decision Document (RED) for Bioallethrin (004003), Esbiol (004004), Esbiothrin (004007), and Pynamin Forte (004005) and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol*, dated June 27, 2007 risk assessments, which are available under docket number EPA-HQ-OPP-2006-0986.

While the majority of the scenarios assessed are not of concern, there are several scenarios with MOEs below 1000 (i.e, exceeding the Agency's LOC). All of the residential post-application MOEs for the allethrin are summarized in Table 7 below, and the use scenarios exceeding the LOC are in bold type. Mitigation measures addressing risk exceedances are discussed in Chapter IV of this document.

Table 7. Allethrin Residential Post-Application Risk Summary			
Source of Exposure	Application Rate	Exposed Population	MOE*
Incidental Oral Exposures (Short-Term)			
Fogger Treatment - Carpet Floors	3.6 mg/m ³	Children	3600
Fogger Treatment - Vinyl Floors			5200
PCO Surface Treatment - Carpet Floors	3.0% spray (1 gal / 1000 ft ²)	Children	20
PCO Surface Treatment - Vinyl Floors			28
PCO Surface Treatment - Carpet Floors	0.1% spray (0.5 gal / 1000 ft ²)	Children	1200
PCO Surface Treatment - Vinyl Floors			1700
Consumer Spot Treatment - Carpet Floors	0.5% Spray	Children	1100
Consumer Spot Treatment - Vinyl Floors			1700
Consumer Spot Treatment - Carpet Floors	0.25% Spray	Children	2200
Consumer Spot Treatment - Vinyl Floors			3400
Treated Pets – Spray Formulations	0.32% a.i.	Children	2,100
Incidental Oral Exposures (Intermediate-Term)			
Fogger Treatment - Carpet Floors	3.6 mg/m ³	Children	3000
Fogger Treatment - Vinyl Floors			4400
PCO Surface Treatment - Carpet Floors	3.0% spray (1 gal / 1000 ft ²)	Children	16
PCO Surface Treatment - Vinyl Floors			24
PCO Surface Treatment - Carpet Floors	0.1% spray (0.5 gal /1000 ft ²)	Children	960
PCO Surface Treatment - Vinyl Floors			1400
Consumer Spot Treatment - Carpet Floors	0.5% Spray	Children	960
Consumer Spot Treatment - Vinyl Floors			1400
Consumer Spot Treatment - Carpet Floors	0.25% Spray	Children	1900
Consumer Spot Treatment - Vinyl Floors			2800
Treated Pets – Spray Formulations	0.32% a.i.	Children	860
Inhalation Exposures (Short/Intermediate-Term)			
Space Spray – 0.50% Product	0.80 mg/m ³ (based upon the NDETF study)	Children Adults	650 2100
Space Spray – 0.25% Product	0.40 mg/m ³ (based upon the NDETF study)	Children Adults	1300 4200
Space Spray – 0.10% Product	0.16 mg/m ³ (based upon the NDETF study)	Children Adults	3050 10000
	0.35 mg/m ³ (Based upon Raid label 4822-513)	Children Adults	1400 4800
Mosquito Coils	2 coils per patio	Children Adults	7000 14000
Fly Mats	2 mats per patio	Children Adults	1800 3600

Table 7. Allethrin Residential Post-Application Risk Summary			
Source of Exposure	Application Rate	Exposed Population	MOE*
Hand Held Yard and Patio Fogger	3 second spray per patio	Children Adults	3100 6200
Hand Held Yard and Patio Fogger	9 second spray per patio	Children Adults	1000 2200
Total Release Yard and Patio Fogger	6 oz. fogger / yard & patio	Children Adults	160 310
Total Release Yard and Patio Fogger	Two 1.5 ounce foggers / patio	Children Adults	650 1300

*MOEs in bold font do not approach or exceed the target MOE of 1000 (i.e., indicate risks of concern).

6. Occupational Exposure and Risk

The occupational risk assessment addresses risks to workers who may be exposed to allethrins when mixing, loading, or applying a pesticide (i.e., handlers), and when entering treated sites for routine tasks (post-application). Exposure for workers generally occurs via the dermal or inhalation route; however, only inhalation exposures have been assessed because no systemic effects were observed at the limit dose in the dermal toxicity studies in test animals, and no toxicity endpoint was selected for dermal exposure. The Agency assessed short (1 to 30 days), intermediate (30 days to several months) and long-term (> 6 months) exposure, although the risk results were essentially the same since the toxicological endpoints for inhalation exposures are the same for all durations of exposure. The target MOE is 100 for short, intermediate and long-term inhalation exposures.

Occupational exposure to allethrins was assessed using data from the Pesticide Handler Exposure Database (PHED), and worker exposure and risk estimates are based on the best data currently available to the Agency. In addition, standard default assumptions pertaining to average body weight, work day, and area treated daily were used to calculate risk estimates. Application rates used in this assessment are derived directly from current allethrin labels. The occupational risk assessment is summarized here. For further detail, see the *Allethrins: Revised Occupational and Residential Exposure Assessment and Recommendations for The Reregistration Eligibility Decision (RED)*, dated June 27, 2007; and *Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009.

a. Handler Exposure Risks

Occupational handler exposure assessments are conducted by the Agency using different levels of protection. The Agency typically evaluates all exposures with minimal protection and then adds protective measures in a tiered approach to determine the level of protection necessary to obtain appropriate MOEs. Since only inhalation exposures are of concern, only PPE relevant to the inhalation exposures were considered. The types of protection which were used to calculate inhalation occupational exposure from allethrins are as follows:

- Baseline: No respirator
- PF5 Respirator Filtering facepiece respirator (i.e., dust mask) with a protection factor of 5
- PF50 Respirator Full face respirator, with a protection factor of 50

Because most allethrin products are packaged in aerosol cans, the majority of the allethrin uses involve potential application exposures only; there are no mixing and loading exposures. There are also a few products packaged as ready-to-use (RTU) liquids or liquid concentrates, which are applied with mechanical sprayers, compressed air sprayers or foggers. These products are used in non-food commercial/ industrial/institutional areas, non-food greenhouses and non-food animal premises. Based upon these labels, the Agency assessed the following occupational handler scenarios:

Pesticide Control Operator Scenarios

- 1) Mix/Load/Apply (M/L/A) liquids with backpack sprayer or low-pressure (LP) handwand
- 2) Mix/Load/Apply liquids with high-pressure (HP) handwand
- 3) Mix/Load/Apply liquids with a fogger
- 4) Apply with aerosol can.

Risk estimates (i.e., MOEs) for the surface spray handler scenarios are summarized in Table 8. Most of the inhalation MOEs are above the target MOE of 100 without respirators (i.e., No Resp.) and, therefore, the inhalation risks are not of concern. The HP handwand scenario is of concern without respirators and requires a PF5 filtering facepiece respirator (i.e., dust mask) to achieve the target MOE.

Exposure Scenario	Dilution	Spray Dilution (Percent ai)	Amount Sprayed per Day	lb ai handled per day	Inhalation MOE
M/L/A liquids with LP hand-wand or backpack sprayer	Undiluted	3	40 gallons	10	300 – No Resp.
M/L/A liquids with LP hand-wand or backpack sprayer	Diluted in water	0.11	40 gallons	0.37	8100 – No Resp.
M/L/A liquids with HP hand-wand (Greenhouse Use)	Diluted in water	0.11	1000 gallons	9.2	81 – No Resp. 400 – PF5 Resp.
Aerosol Can application	Undiluted	0.54	6 (16 oz) cans	0.032	2300 – No Resp.

The risks for the space spray applications are summarized in Table 9. The MOEs are of concern (MOE < 100) when at all of the spray dilutions when respirators are not worn. At the highest spray dilution rate (3.0%), the MOEs are still of concern with a PF50 Full Face Respirators.

Table 9. Occupational Handler Risks from Space Spray Applications					
Label #	Spray Dilution	Application Rate (lb ai/1000 ft ³)	Average Concentration (mg/m ³)	Respirator Worn	Inhalation MOE
432-870	3.0	0.0020	16	None	1.4
1021-1478	1.5	0.0010	8.0		2.8
1021-1453	1.0	0.00067	5.4		4.2
432-870	3.0	0.0020	16	PF50 Full Face	70
1021-1478	1.5	0.0010	8.0		140
1021-1453	1.0	0.00067	5.4		210

b. Post-Application Exposure and Risk

The Agency uses the term “post-application” to describe exposures to individuals that occur as a result of being in an environment that has been previously treated with a pesticide (also referred to as reentry exposure). Allethrin is used as space sprays in a wide variety of indoor areas such as greenhouses, commercial institutions, and residences. For most of the commercial applicator labels, there are restrictions such as “Do not apply when people are present” or “Do not allow unprotected persons to enter until treated area has been thoroughly ventilated,” which minimize post-application exposures. Given the use characteristics, occupational post-application inhalation exposures are anticipated primarily from automatic misting systems used in commercial/industrial horse barns, dog kennels and zoo animal quarters.

To evaluate occupational post-application risk, the commercial animal housing automatic misting system scenario was assessed. The resulting occupational post-application inhalation MOE is 245, which is greater than the target MOE of 100 and, therefore, is not of concern. Furthermore, this risk estimate is conservative, because it was assumed that the aerosols would remain airborne until they were removed by ventilation and the effects of aerosol settling were not considered. For additional information on the barn and stable automatic misting system, see the *Allethrin: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED)*, dated February 17, 2009, in the docket at <http://www.regulations.gov> under docket identification (ID) number EPA-HQ-OPP-2006-0986.

B. Environmental Risk Assessment

The outdoor uses for the allethrin are predominantly limited to foggers and spot treatments that are typically packaged as small, hand-held spray units and mosquito repellents (mats and coils). Although current label uses include several large-scale outdoor uses, they are not being supported. Since the registrant agreed to modify labels to remove, or limit to spot treatment only, any outdoor uses that could potentially be used as a broadcast treatment, risk from broadcast uses were not assessed. Since the allethrin is currently registered for use in some pet products (pet shampoos and dips), there is potential for aquatic organism exposure from indoor use of the allethrin, via surface water exposure following the release of household wastewater. Therefore, the Agency assessed ecological risk from both indoor and outdoor uses of allethrin. Because most of the standard methods used by the Agency for assessing

environmental risk are established for large-scale uses such as applications to agricultural fields or public health uses, the potential risk to the environment from allethrin spot treatment use is assessed qualitatively by considering uses, application methods, environmental fate properties, and toxicity data, and some risk quotients (RQs) were calculated for illustrative purposes.

A summary of the Agency's environmental fate and effects risk assessment is presented below. For detailed discussion of all aspects of the environmental risk assessment, please see the *Response to Comments (Phase 3) and Revised Environmental Fate and Ecological Risk Assessment in Support of the Reregistration of the Allethrins*, dated April 4, 2007, which is available under docket number EPA-HQ-OPP-2006-0986.

Terrestrial Organisms (Birds and Mammals)

The potential for risk to non-listed terrestrial organisms is limited or eliminated by the application methods described on the product labels. For instance, the use of Rainbow Wasp and Ant Spray (EPA Reg. No.13283-13) is intended as a spot treatment on wasp or other stinging insect hives. The registrant described the typical use of the spray as a 3-second directed application at a hive, which would result in an application of about 0.156 g to an area of about 1000 cm². This rate is equivalent to an application of about 13.8 lb ai/acre.

If this application rate is used as input to the TeRrestrial Exposure (T-REX) model, the acute and acute endangered species RQs for birds and mammals would exceed levels of concern (LOC). However, the exposure scenario is too unrealistic to expect risk to birds and mammals. To reach that level of exposure, birds or mammals would essentially need to consume the treated hive to ingest the allethrins applied by a directed spray.

The fogger application for the allethrins also represents an exposure scenario that is unlikely to result in risk to non-listed birds and mammals. The risk assessment considered exposure from the Raid Yard Guard Outdoor Fogger Formula VII (Reg. No. 4822-394), a total release fogger which could affect flying insects in a 15-by-15 foot area, releasing 1.07 g of allethrins along with another insecticide. If all the mass of allethrins were deposited in that 225 square-foot area, the application would be equivalent to about 0.47 lb ai/acre, and the resulting RQs would exceed the endangered species levels of concern for birds and mammals. However, that level of exposure to non-target birds and mammals is very unlikely. First, non-target animals would have to derive all of their food from the 15-by-15 foot area in which a person just placed a fogger, whether that area is a backyard patio or a lawn. Presumably, the fogger will have been placed in such an area so that people can be present, which makes the likelihood of feeding less likely. In addition, the fogger application is designed to keep the applied insecticides in the air, so that allethrins can work as a knockdown agent while the other insecticide takes effect. The applied material is unlikely to deposit solely within the 15-by-15 foot area, but would be dispersed over a wider area at a lower rate, dissipated by wind and degraded by photolysis.

No guideline data were submitted to evaluate the risk of allethrin exposure to non-target plants. However, the allethrins are not expected to induce phytotoxic effects because of their neural toxic mode of action, and available efficacy studies indicated no phytotoxic effects.

Although the Agency does not currently have standard LOCs for terrestrial invertebrates, risk to non-target invertebrates were considered. Based on an average fresh weight per honey bee of 128 milligrams, the LD₅₀ of honey bees (3.9 µg/bee) can be multiplied by 7.8 to determine the ppm toxicity. Therefore, the contact LD₅₀ of 3.4 µg/bee for allethrins can be converted to 26.5 ppm. Using the ‘fruits/pods/seeds/large insects’ category in T-REX as a surrogate for bees and an application rate of 13.8 lb a.i./acre results in an EEC for bees of 207 ppm using upper-bound Kenaga values. This equates to an RQ of 7.8. Since the Agency does not have standard LOCs for terrestrial invertebrates, for illustration purposes, the LOCs for other terrestrial animals was used (i.e., acute risk LOC = 0.5; acute endangered species LOC = 0.1). Using upper-bound Kenaga values, the application rate needed to reach the acute risk LOC for bees is 3.5 lb a.i./acre (1,842 cans), and the application rate needed to reach the endangered species LOC is 0.18 lb a.i./acre (95 cans of product).

Aquatic Organisms

There is potential for exposure to aquatic organisms from both the outdoor and indoor uses of the allethrins, so both uses were assessed. The standard models used by the Agency to estimate transport to surface water simulate application to agricultural fields, and cannot estimate surface water concentrations which might result from spot treatments or fogger use. Therefore, for illustrative purposes, the aquatic exposure that would result from spraying a can of Rainbow Wasp and Ant Spray (EPA Reg. No. 13283-13) directly into the standard pond used in OPP aquatic exposure model standard scenarios was determined. Based on a pond volume of 20 million liters and a total of 0.884 g of allethrin (a.i.), and assuming no degradation or sorption, the resulting concentration in the pond would be 0.0442 ppb. In order to achieve an exposure concentration equal to the toxic endpoints of concern for freshwater invertebrates (LC₅₀ = 2.1 ppb) and freshwater fish (LC₅₀ = 7.9 ppb), it would require the direct spraying of approximately 48 and 179 cans of product. To exceed the acute endangered species LOC of 0.05 for aquatic animals, it would require the simultaneous release into a standard farm pond of 2.4 cans (for freshwater invertebrates) and 9 cans (for freshwater fish). Thus, since actual use entails spraying a fraction of a can in a spot treatment on land, aquatic risk of concern to aquatic organisms from the outdoor uses of the allethrins is not anticipated.

Since the allethrins are currently registered for use in some pet products (pet shampoos and dips), there is potential for surface water exposure following the release of household wastewater. However, it would require atypically large quantities of pet products containing allethrins to reach an exposure concentration equal to the toxic endpoints of concern for freshwater animals. A “super size” bottle (21.6 fluid ounces) of Hartz Control Flea and Tick Conditioning Shampoo for Dogs (EPA Reg. No. 2596-124) contains 0.109% allethrin a.i. Assuming a conservative specific gravity for shampoo of 1.2 g/ml, a 21.6 ounce bottle of shampoo contains 766.6 g of product, including 0.836 g a.i. Therefore, a bottle of this product contains less active ingredient than a can of the wasp and hornet spray used in the example above and correspondingly higher numbers of bottles of shampoo would have to be released into the pond to result in risk exceedances.

1. Adverse Ecological Incidents

A search of the EIIS (Environmental Incident Information System) database for ecological incidents (run on Dec. 2, 2005) identified a total of one ecological incident involving an allethrin (allethrin; PC Code: 004001). The allethrin involved in the incident is no longer registered (*i.e.*, all of its uses have been cancelled). The incident occurred on a fish farm in Ventura County, CA, in Dec. 2000, and it involved the death of 13,000 rainbow trout. The reported cause of the incident was an act of sabotage (*i.e.*, it was the result of intentional misuse). The certainty index was reported as “highly probable” and it was reported that, “(t)here seemed to be no doubt about the cause of the fish kill,” although no tissue or water samples were reported. Because the number of documented kills in EIIS is believed to be a very small fraction of total mortality caused by pesticides for a variety of reasons, absence of reports does not necessarily provide evidence of an absence of incidents given the nature of the incident reporting.

2. Endangered Species Considerations

Table 10 provides a matrix that depicts the potential for direct and indirect effects to listed species resulting from the use of allethrins.

Table 10. Listed species risk associated with direct or indirect effects due to applications of allethrins		
Listed Taxon	Direct Effects¹	Indirect Effects²
Terrestrial and semi-aquatic plants – monocots	None ³	Possible ²
Terrestrial and semi-aquatic plants - dicots	None ³	Possible
Insects	None	Possible
Birds	No acute/ Possible chronic ²	Possible
Terrestrial phase amphibians	No acute/ Possible chronic ²	Possible
Reptiles	No acute/ Possible chronic ²	Possible
Mammals	None	Possible
Aquatic vascular plants	None ³	Possible
Freshwater fish	No acute/ Possible chronic ²	Possible
Aquatic phase amphibians	No acute/ Possible chronic ²	Possible
Freshwater crustaceans	No acute/ Possible chronic ²	Possible
Mollusks	No acute/ Possible chronic ²	Possible
Marine/estuarine fish	No acute/ Possible chronic ⁴	Possible
Marine/estuarine crustaceans	No acute/ Possible chronic ⁴	Possible

¹Although, LOCs were not calculated, exposures are expected to be below all Agency acute LOCs for all outdoor uses.

² Because of a lack of chronic data for all taxa except mammals, the potential for chronic direct effects or indirect effects cannot be dismissed.

³ No guideline data were submitted to evaluate the risk of allethrin exposure to non-target plants, however, the allethrins are not expected to induce phytotoxic effects because of their neural toxic mode of action.

⁴ No acute or chronic data are available.

Acute risks to listed species are not expected due to low application rates and the types of uses being assessed. Although the potential for chronic risk to any listed animal cannot be dismissed at this time because of a lack of available data, the very limited nature of ecological exposure from use of allethrin-containing products indicates that chronic risk is highly unlikely. However, a Not Likely to Adversely Affect (NLAA) determination for potential chronic risk to listed species would require a more definitive assurance that adverse, chronic effects would not occur.

IV. Risk Management, Reregistration, and Tolerance Reassessment Decision

A. Determination of Reregistration Eligibility

Section 4(g)(2)(A) of FIFRA calls for the Agency to determine, after submission of relevant data concerning an active ingredient, whether or not products containing the active ingredient are eligible for reregistration. The Agency has previously identified and required the submission of the generic (i.e., active ingredient-specific) data required to support reregistration of products containing the allethrins as active ingredients. The Agency has completed its review of these generic data, and has determined that the data are sufficient to support reregistration of all products containing the allethrins.

The Agency has completed its assessment of the human health and ecological risks associated with the use of pesticide products containing the allethrins. The Agency has determined that allethrin-containing products are eligible for reregistration provided that label amendments are made as outlined in Chapter V. Appendix A summarizes the uses of the allethrins that are eligible for reregistration. Appendix B identifies the generic data requirements that the Agency reviewed as part of its determination of reregistration eligibility of the allethrins, and lists the submitted studies that the Agency found acceptable.

Based on its evaluation of the allethrins, the Agency has determined that products containing allethrins, unless labeled and used as specified in this document, would present risks inconsistent with FIFRA. Accordingly, should a registrant fail to implement any of the risk mitigation measures identified in this document, the Agency may take regulatory action to address the risk concerns from the use of the allethrins. If all changes outlined in this document are incorporated into the product labels, then all current risks for the allethrins will be adequately mitigated for the purposes of this determination under FIFRA.

B. Public Comment Period

Through the Agency's public participation process, EPA worked with stakeholders and the public to reach the regulatory decisions for the allethrins. EPA released the allethrins preliminary risk assessments for public comment on December 27, 2006, for a 60-day public comment period (Phase 3 of the public participation process). During the public comment period on the risk assessments, which closed on February 26, 2007, the Agency received comments from the technical registrants, the California Regional Water Quality Control Board, S.F. Bay Region, and the California Stormwater Quality Association (CASQA). These comments in their entirety, responses to the comments, as well as the preliminary and revised risk assessments, are available in the public docket (OPP-2006-0986) at <http://www.regulations.gov>.

C. Regulatory Position

1. Regulatory Rationale

The Agency has determined that products containing allethrins are eligible for reregistration provided that specified label amendments are made. The following is a summary

of the rationale for managing risks associated with the use of allethrin. Where labelling revisions are warranted, specific language is set forth in the summary table of Section V.

a. Human Health Risk Management

i. Occupational Risk Mitigation

The occupational handler exposure scenarios that were assessed included surface spray applications using a low-pressure handwand, high-pressure handwand or aerosol can, and indoor space spray applications using handheld foggers. All estimated MOEs for surface sprays are above the target MOE of 100 and the risks are not of concern, except for the high pressure handwand scenario. This scenario is of concern with an MOE of 81 and a PF5 filtering facepiece respirator (i.e., a dust mask) is required to achieve the target MOE. The handheld fogger scenario is also of concern with MOEs ranging from 1.4 (spray dilution rate of 3.0%) to 4.2 (spray dilution of 1.0%) with no respirator. To mitigate occupational handler risk from handheld fogger applications, the maximum spray dilution rate will be reduced from 3.0% to 1.5%, and a Full Face (PF50) respirator will be required, resulting in an MOE of 140, which is below the Agency's LOC.

The animal barn misting system scenario was assessed, as this scenario is anticipated to have the highest occupational post-application exposure potential. The occupational post-application risk estimate for the automatic misting system was below the Agency's LOC (i.e., MOE was above 100); therefore, no mitigation measures are required.

ii. Residential Risk Mitigation

Handler Risk

Residential handler exposures were assessed for aerosol can application to a variety of use sites. All of the handler MOEs exceed the target MOE of 1000; therefore, the handler risks are not of concern, and no mitigation measures are required.

Post-Application Risk (Inhalation Exposure)

Residential post-application inhalation exposures from consumer-use products were assessed for consumer-use space sprays, yard and patio foggers, mosquito coils and fly mats. The short/intermediate-term inhalation MOEs for consumer-use space sprays, when assessed at the highest labeled application rate of 0.50% ai, range from 650 to 2100 for children and adults, respectively. The registrant has agreed to reduce the application rate on surface sprays to 0.25%, and when calculated at this reduced rate, the MOEs range from 1300 to 4200 for children and adults, respectively. Since the lowest MOE (1300) is above the target level of concern of 1000, no additional mitigation is necessary.

The 6 oz. yard and patio fogger, with MOEs ranging from 160 to 310, will be voluntarily cancelled by the technical registrant. The 1.5 oz. yard and patio fogger scenario is only of concern when the product is in the form of a total release fogger. The yard and patio scenario is

not of concern when the product is in the form of a hand-held fogger. Although both product forms are on the same product label (registration number 4822-394), the hand-held form is more typically found on retail shelves and likely represents the majority of usage. This is supported by the Residential Exposure Joint Venture (REJV) survey which indicated that most of the allethrin-containing yard and patio fogger products in the household inventory were hand-held foggers. The hand-held fogger contains approximately 454 grams of product, which is enough for approximately 9 sprays based upon the nozzle discharge rate of 6 grams per second and a spray duration of 9 seconds. By contrast, the total release foggers can only be used once, because they discharge their entire contents upon activation. It should also be noted that the toxicological point of departure (POD) selected to assess inhalation exposures (see Table 5), which is a NOAEL of 1.3 mg/kg/day observed in the inhalation study, may be an artifact of dose spacing, because it is five times lower than the LOAEL of 6.5 mg/kg/day. For this scenario, the estimated MOE is 650 with a NOAEL of 1.3 mg/kg/day; however, with only a slightly higher NOAEL of 2.0 mg/kg/day, the estimated MOE would be 1000. Considering the dose spacing for this study, the Agency has minimal concern with an estimated MOE of 650 for this scenario; thus, no mitigation is necessary.

While the label for the animal premise automatic misting system product limits the product's use to commercial and industrial horse barns, dog kennels, and zoo quarters, that does not preclude possible non-occupational exposure. Commercial horse barns and dog kennels can be frequented by individuals other than workers. For instance, some people board their horses at commercial stables. Currently, the Agency does not have a SOP to assess non-occupational post-application exposure for the "hobby barn" scenario. The Agency is currently revising SOPs and is considering assessing post-application exposure for those who may be exposed to this scenario. While the assumptions in the occupational exposure scenario (i.e., 8 hours spent in the barn) are likely an overestimate of risk, the Agency has no information at this time to characterize the amount of time horse owners that board their horses spend in commercial stables. The animal barn misting system MOE of 245 (based on an 8-hour exposure duration), is below the non-occupational (or residential) target MOE of 1000. For exposure durations 1.5 hours or less, the animal barn misting system risk estimate is above the non-occupational target MOE of 1000 and, therefore, is not of concern. Furthermore, the risk for the metered release scenario is conservative, since it was assumed that the aerosols would remain airborne until they were removed by ventilation, and the effects of aerosol settling were not considered. To reduce potential exposure, the registrants have agreed to add precautionary language to the product labels instructing users to operate misters when people are unlikely to be present. Upon development of SOPs to assess non-occupational post-application exposures for hobby barn scenarios, the Agency intends to reevaluate this exposure scenario during Registration Review.

Post-Application Risk (Incidental Oral Exposure)

Residential post-application incidental oral exposures were assessed for consumer applied indoor foggers, PCO-applied broadcast surface sprays, and consumer-applied spot treatment surface sprays. The MOEs for most consumer-use scenarios are greater than 1000, and are not of concern. The estimation of residue levels, and associated incidental oral risk, that result from consumer surface applications using aerosol can products for the allethrins were variable, depending upon the products' directions for use and the percent a.i. in the product.

Although the application rates range from 0.5% to 0.05%, most of the variability in estimated exposures was based on the use directions for the products. Some consumer-use surface sprays containing allethrin specify that only spot treatments be made to areas such as cracks and crevices in walls, corners of rooms, cabinets, closets, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations and wherever else these pests may find entrance. Several labels also include instructions to treat carpets by covering the entire surface until slightly moist. A broadcast use of a surface spray containing allethrin is not typical, and these uses were not assessed, because the registrant voluntarily agreed to amend labels to restrict use to spot treatment only. The incidental oral MOEs from consumer surface spray products, when limited to spot treatments only, are greater than or approaching the target MOE of 1000 and not of concern. The technical registrant also agreed to reduce the application rate to 0.25% for consumer use surface sprays. With this mitigation, the MOEs for children with spot treatments applied to carpet are 1900, and therefore, no additional mitigation is necessary.

Residential post-application incidental oral risk estimates from PCO uses are less than the target MOE at the highest currently registered concentration of 3% a.i. with MOEs ranging from 16 (intermediate-term exposure on carpet) to 28 (short-term exposure on vinyl). To mitigate this risk, the registrant has agreed to limit the residential PCO product labels to a 0.1% a.i. spray dilution rate, and amend labels to reduce the volume of product to be applied from 1 gallon per 1000 sq ft to 0.5 gallons per 1000 square feet. This will result in intermediate-term incidental oral MOEs for children greater than or approaching the target MOE of 1000, and are not of concern.

Risk to children playing with pets that have been treated with pet sprays containing allethrin was also assessed. The short- and intermediate-term incidental oral MOEs were 2100 and 860, respectively. To mitigate risk from the pet sprays and other pet uses, the registrants have agreed to cancel all pet uses. Therefore, risk from pet sprays containing allethrin is no longer of concern.

The following is a summary of the human health mitigation measures:

- The residential PCO product labels will be limited to a 0.1% spray dilution rate, and language to labeling will be added reducing the volume from 1 gallon per 1000 sq ft to 0.5 gallons per 1000 square feet.
- The maximum spray dilution for indoor fogging applications will be reduced from 3.0 percent (as listed on the Esbiol 300 Insect label, Reg. No. 432-870) to 1.5 percent.
- For occupational handlers applying surface sprays with high pressure handwands, a PF5 filtering facepiece respirator (i.e. a dust mask) will be required in order to reach the target MOE of 100.
- For occupational handlers applying space sprays with handheld foggers, a PF50 Full Face respirator with appropriate cartridges will be required in order to reach the target MOE of 100.

- The consumer surface spray product labels will be changed to require spot treatment only. The broadcast surface applications to rugs and carpets will be eliminated.
- The consumer surface and space sprays, with concentrations currently ranging from 0.5% to 0.05% ai in products, will be limited to 0.25% ai.
- The use of the 6 ounce outdoor total release fogger will be deleted from the Raid Yard Guard label (4822-394).
- The pet uses (aerosol sprays and shampoos) will be cancelled.

b. Ecological Risk Management

The Agency evaluated potential ecological risk from both indoor and outdoor uses of the allethrin. The technical registrant voluntarily agreed to cancel pet shampoos and dips; therefore, there is no longer potential ecological exposure from indoor products containing allethrin, and no further mitigation is necessary for indoor uses.

Although current label uses include several potentially large-scale outdoor uses, they are not being supported by the technical registrant. Thus, the registrants have agreed to make the following changes to the allethrin labels:

- Uses on boat/ship hulls will be deleted.
- Kennels/stables and commercial premise uses (outdoor and area sprays) will be deleted or limited to spot treatments. Use of allethrin in commercial animal premise automatic misting systems is still allowed.
- Outdoor ornamental use sites will be specified and will be limited to spot use.
- Outdoor mosquito adulticide use will be deleted or limited to localized spray.
- Outdoor commercial area space spray uses will be limited to localized treatments.
- Perimeter spray uses will be limited to localized treatments.
- Uses in or on drainage systems, golf course turf, wide area/general outdoor treatment, airports/landing fields, uncultivated agricultural areas, and paved areas such as sidewalks and roads will all be deleted.

Because outdoor uses will be limited to localized spot treatments, no additional mitigation measures for these uses are required.

2. Endocrine Disruptor Effects

Following recommendations of its Endocrine Disruptor Screening and Testing Advisory Committee (EDSTAC), EPA determined that there was a scientific basis for including, as part of the program, the androgen and thyroid hormone systems, in addition to the estrogen hormone system. EPA also adopted EDSTAC's recommendation that EPA include evaluations of potential effects in wildlife. For pesticides, EPA will use FIFRA and, to the extent that effects in wildlife may help determine whether a substance may have an effect in humans, FFDCA authority to require the wildlife evaluations. As the science develops and resources allow, screening of additional hormone systems may be added to the Endocrine Disruptor Screening Program (EDSP).

When the appropriate screening and/or testing protocols being considered under the EDSP have been developed, individual pesticides may be subject to additional screening and/or testing. However, in the available toxicity studies for the allethrans, there was no evidence of endocrine disruption.

3. Endangered Species

The Endangered Species Act required federal agencies to ensure that their actions are not likely to jeopardize listed species or adversely modify designated critical habitat. The Agency has developed the Endangered Species Protection Program to identify pesticides whose use may cause adverse impacts on federally listed endangered and threatened species, and to implement mitigation measures that address these impacts. To assess the potential of registered pesticide uses that may affect any particular species, EPA puts basic toxicity and exposure data developed for the REDs into context for individual listed species and considers ecological parameters, pesticide use information, the geographic relationship between specific pesticide uses and species locations and biological requirements and behavioral aspects of the particular species. When conducted, these analyses take into consideration any regulatory changes recommended in this RED being implemented at that time. A determination that there is a likelihood of potential effects to a listed species may result in limitations on the use of the pesticide, other measures to mitigate any potential effects, and/or consultations with the Fish and Wildlife Service or National Marine Fisheries Service, as necessary. If the Agency determines use of allethrans "may affect" listed species or their designated critical habitat, EPA will employ the provisions in the Services regulations (50 CFR Part 402).

The ecological assessment that EPA conducted for this RED does not, in itself, constitute a determination as to whether specific species or critical habitat may be harmed by the pesticide. Rather, this assessment serves as a screen to determine the need for any species specific assessment that will evaluate whether exposure may be at levels that could cause harm to specific listed species and their critical habitat. That assessment refines the screening-level assessment to take into account the geographic area of pesticide use in relation to the listed species, the habits and habitat requirements of the listed species, etc. If the Agency's specific assessments for allethrans result in the need to modify use of the pesticide, any geographically specific changes to the pesticide's registration will be implemented through the process

described in the Agency's Federal Register Notice (54 FR 27984) regarding implementation of the Endangered Species Protection Program.

The Agency has reviewed data and other information for the allethrins and concludes that this series of insecticides does not pose a risk of direct acute effects to any species listed under the Endangered Species Act, because EPA's screening-level, qualitative assessment indicates that these uses are not likely to adversely affect listed species on an acute basis. The likelihood of adverse effects from chronic exposure to mammals is also considered low. However, the potential risk to all other taxa from chronic exposure to allethrins cannot be assessed at this time due to a lack of data.

D. Labeling Requirements

In order to be eligible for reregistration, various use and safety information will be included in the labeling of all end-use products containing the allethrins. For the specific labeling statements, refer to Section V of this RED document.

V. What Registrants Need to Do

The Agency has determined that products containing allethrans are eligible for reregistration provided that the required label amendments are made. The Agency intends to issue Data Call-In Notices (DCIs) requiring product-specific data. Generally, registrants will have 90 days from receipt of a DCI to complete and submit response forms or request time extension and/or waiver requests with a full written justification. For product-specific data, the registrant will have eight months to submit data. Below are the label amendments that the Agency intends to require for the allethrans to be eligible for reregistration.

A. Manufacturing Use Products

2. Additional Generic Data Requirements

The generic data base supporting the reregistration of the allethrans for currently registered uses has been reviewed and determined to be substantially complete. However, a few data gaps remain, and these are listed below.

Occupational Exposure

875.1400 Inhalation Exposure Indoor

Residue Chemistry

860.1650 Submittal of Analytical Reference Standards

Toxicology

Since the allethrans database is currently incomplete with respect to data on potential pre- and postnatal toxicity, the Agency is requiring a study to address this uncertainty. The Agency is currently evaluating whether a developmental toxicity study (DNT) or another comparative toxicity study would be best-suited for addressing the concerns for sensitivity to young animals. The registrants should consult with the Agency before beginning a study to fulfill this data requirement.

2. Labeling for Manufacturing-Use Products

To ensure compliance with FIFRA, manufacturing-use product (MUP) labeling should be revised to comply with all current EPA regulations, PR Notices, and applicable policies. The MUP labeling should bear the labeling contained in Tables 11 and 12.

B. End-Use Products

1. Additional Product-Specific Data Requirements

Section 4(g)(2)(B) of FIFRA calls for the Agency to obtain any needed product-specific data regarding the pesticide after a determination of eligibility has been made. The Registrant must review previous data submissions to ensure that they meet current EPA acceptance criteria and if not, commit to conduct new studies. If a registrant believes that previously submitted data

meet current testing standards, then the study MRID numbers should be cited according to the instructions in the Requirement Status and Registrants Response Form provided for each product. The Agency intends to issue a separate product-specific data call-in (PDCI), outlining specific data requirements. For any questions regarding the PDCI, please contact Bonnie Adler at 703-308-8523.

2. Labeling for End-Use Products

To be eligible for reregistration, labeling changes are necessary to implement measures outlined in Section IV above. Specific language to incorporate these changes is specified in Tables 11 and 12. Generally, conditions for the distribution and sale of products bearing old labels/labeling will be established when the label changes are approved. However, specific existing stocks time frames will be established case-by-case, depending on the number of products involved, the number of label changes, and other factors.

C. Labeling Changes Summary Table

In order to be eligible for reregistration, amend all product labels to comply with the following tables. Tables 11 and 12 describe how language on the labels should be amended.

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)		
Description	Amended Labeling Language	Placement on Label
Manufacturing Use Products		
For all Manufacturing Use Products	<p>“Only for formulation into an <i>insecticide</i> for the following use(s) [fill blank only with those uses that are being supported by MP registrant].”</p> <p>“Not for formulation into end use products with directions for use as an application directly to pets.”</p> <p>“Formulation into ready-to-use total release foggers with directions for use outdoors is limited to a maximum of 1.5 ounces of product per container.”</p> <p>“Formulation into products with directions for use as a spot treatment is limited to a maximum 0.25% a.i. dilution strength.”</p> <p>“Formulations with greater than 0.1% a.i. dilution strength must contain directions for use limiting applications in indoor residential settings to spot treatments only. Indoor broadcast use must be prohibited.”</p> <p>“Formulation into products with directions for use as a broadcast spray outdoors is prohibited. Outdoor use is limited to spot treatments only.” (NOTE: outdoor broadcast use with ready-to-use total release foggers is permitted.)</p> <p>“Not for formulation into products for use in or on drainage systems, golf course turf, airports/landing fields, uncultivated agricultural areas, boat/ship hulls, and paved areas such as sidewalks and roads.”</p>	Directions for use
One of these statements may be added to a label to allow reformulation of the product for a specific use or all	“This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of	Directions for Use

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
additional uses supported by a formulator or user group	such use(s).” “This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).”	
Environmental Hazards Statements	“ENVIRONMENTAL HAZARDS” “This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Eliminations System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.”	Precautionary Statements – Environmental Hazards
End-Use Products Intended for Occupational Use (WPS and Non-WPS)		
PPE Requirements ¹ for Ready To Use (RTU) Formulations (RTU Liquids and Pressurized Liquids)	“Personal Protective Equipment (PPE)” “Some materials that are chemical-resistant to this product are [registrant inserts correct material(s)].” For more options, follow the instructions for category [insert A, B, C, D, E, F, G or H] on the chemical-resistance category selection chart. “Applicators and other handlers must wear: long-sleeved shirt and long pants, and shoes and socks.”	Immediately following/below Precautionary Statements: Hazards to Humans and Domestic Animals
PPE Requirements for Liquid Concentrates including Emulsifiable Concentrates Note: If the use of high pressure handwands or handheld foggers is	“Personal Protective Equipment (PPE)” “Some materials that are chemical-resistant to this product are [registrant inserts correct material(s)].” For more options, follow the instructions for category [insert A, B, C, D, E, F, G or H] on the chemical-resistance category selection chart.	Immediately following/below Precautionary Statements: Hazards to Humans and Domestic Animals

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
prohibited or is not feasible for the end-use product, the statement requiring respirators for those uses may be omitted.	<p>“Applicators and other handlers must wear: long-sleeved shirt and long pants, and shoes and socks.”</p> <p>“In addition to the above PPE, applicators using high-pressure handwands must wear a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N*, R, P, or HE filter.”</p> <p>“In addition to the above PPE, applicators using hand-held foggers must wear a full-face, or helmet/hood-style NIOSH-approved respirator with: -- a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or -- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or -- a cartridge or canister with any N*,R, P or HE filter.”</p> <p>*Instruction to Registrant: Drop the "N" type prefilter from the respirator statement, if the pesticide product contains or is used with oil.</p>	
User Safety Requirements	<p>“Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.”</p> <p>“Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.”</p>	Precautionary Statements: Hazards to Humans and Domestic Animals immediately following the PPE requirements
User Safety Recommendations	<p>“User Safety Recommendations”</p> <p>“Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.”</p> <p>“Users should remove clothing/ PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.”</p> <p>“Users should remove PPE immediately after handling this product. Wash</p>	<p>Precautionary Statements under: Hazards to Humans and Domestic Animals</p> <p>(Must be placed in a box.)</p>

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
	the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.”	
Environmental Hazard Statements on Liquid Concentrate Consumer Outdoor Products (e.g., liquids mixed with water by the user for a tank sprayer or hose-end attachment)	“To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.”	Precautionary Statements – Environmental Hazards
Environmental Hazard Statements on Liquid Ready-to-Use Consumer Outdoor Products (except aerosols)	“To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.”	Precautionary Statements – Environmental Hazards
Environmental Hazard Statements on Aerosol Consumer (including foggers) Outdoor Products	“This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.”	Precautionary Statements – Environmental Hazards
Environmental Hazards Statements for Products Labeled for Indoor Uses Only	<p>“ENVIRONMENTAL HAZARDS”</p> <p>“This product is toxic to fish and aquatic invertebrates. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use for additional precautions and requirements.”</p> <p>For indoor commercial, industrial or institutional products packaged in containers equal to or greater than 5 gallons or 50 lbs add the following statement:</p> <p>“Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to</p>	Precautionary Statements – Environmental Hazards

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
	sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."	
<p>Restricted-Entry Interval for Products with Directions for use Within Scope of the Worker Protection Standard for Agricultural Pesticides (WPS)</p> <p><i>For Products Subject to WPS as required by Supplement 3 of PR Notice 93-7</i></p>	<p>"Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours."</p>	<p>Directions for Use, Under Agricultural Use Requirements Box</p>
<p>Early Entry Personal Protective Equipment</p> <p><i>For Products Subject to WPS as required by Supplement 3 of PR Notice 93-7</i></p>	<p>"PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls, shoes and socks, and chemical-resistant gloves made of any waterproof material."</p>	<p>Directions for Use, in Agricultural Use Requirements Box</p>
<p>Entry Restrictions for Non WPS Uses</p>	<p>Entry Restriction for product applied as a surface spray:</p> <p>"Do not enter or allow unprotected persons to enter until treated areas have dried."</p> <p>Entry Restriction for products applied as a space spray:</p> <p>"Do not allow unprotected persons to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated."</p> <p>Entry Restriction for products formulated as total release aerosol foggers with directions for use indoors:</p> <p>"Do not re-enter building for four hours, then open exterior doors and windows and allow to air for 60 minutes before reoccupying area."</p>	<p>If no WPS uses on the product label, place the appropriate statement in the Directions for Use Under General Precautions and Restrictions. If the product also contains WPS uses, then create a Non-Agricultural Use Requirements box as directed in PR Notice 93-7 and place the appropriate statement inside that box.</p>
<p>General Application Restrictions</p>	<p>"Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in</p>	<p>Place in the Directions for Use directly above the Agricultural Use</p>

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
	the area during application.”	Box
Application Restrictions- Indoor Surface Sprays in Residential Settings	<p>Application rates for broadcast use indoors in residential settings are limited to no greater than 0.1% active ingredient dilution strength.</p> <p>NOTE to Registrant: the end-use product label must provide specific dilution instructions for attaining this maximum dilution strength.</p> <p>“When applied as a broadcast spray indoors in residential settings, use is limited to no more than 0.5 gallons dilute spray per 1000 square feet.”</p>	Place in the Directions Under Application Restrictions.
Application Restrictions- Residential Handheld Fogger Use	<p>Application rates for products labeled for indoor fogger use are limited to a maximum of 1.5% active ingredient dilution strength.</p> <p>NOTE to Registrant: the end-use product label must provide specific dilution instructions for attaining this maximum dilution strength.</p>	Place in the Directions Under Application Restrictions.
Application Restrictions- Outdoor Uses, except on total release foggers	<p>“Outdoor uses are limited to spot treatments only. Broadcast applications are prohibited.”</p> <p>“Do not water the treated area to the point of run-off.”</p> <p>“Do not make applications during rain.”</p>	Place in the Directions Under Application Restrictions.
General Application Restrictions for All Products That Do Not Contain Directions for Use in Drains or Sewers	<p>Products labeled for use around or near floor drains must contain the following statement.</p> <p>“Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.”</p>	Directions for Use
End Use Products Primarily Used by Consumers/Homeowners		
Environmental Hazard Statements on Liquid Concentrate Consumer Outdoor Products (e.g., liquids mixed with water by the user for a tank sprayer or hose-end attachment)	<p>“To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.”</p>	Precautionary Statements – Environmental Hazards

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
Environmental Hazard Statements on Liquid Ready-to-Use Consumer Outdoor Products (except aerosols)	“To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.”	Precautionary Statements – Environmental Hazards
Environmental Hazard Statements on Aerosol Consumer (including foggers) Outdoor Products	“This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.”	Precautionary Statements – Environmental Hazards
Application Restrictions- Outdoor Uses (except total release foggers)	“Outdoor uses are limited to spot treatments only. Broadcast applications are prohibited.” “Do not water the treated area to the point of run-off.” “Do not make applications during rain.”	Place in the Directions Under Application Restrictions.
General Application Restrictions for All Products That Do Not Contain Directions for Use in Drains or Sewers	Products labeled for use around or near floor drains must contain the following statement. “Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.”	Directions for Use
Entry Restrictions	Products applied as a spray: “Do not allow adults, children, or pets to enter the treated area until sprays have dried.”	Directions for use under General Precautions and Restrictions
Indoor Misting Systems Used in Commercial Barns, Stables, and Animal Quarters	“Directions for use in commercial animal premise automatic misting systems” “Not for use in outdoor residential misting systems (indoor or outdoor).” “Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.”	Directions for Use under General Precautions and Restrictions and/or Application Instructions

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
	<p>“Do not apply when food, feed, and/or water is present.”</p> <p>“Do not apply directly to animals.”</p> <p>“When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.”</p> <p>“When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.”</p> <p>“Direct nozzles to spray towards the target area and away from areas where people are typically present.”</p> <p>“Do not use in an evaporative cooling system.”</p> <p>“Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.”</p> <p>“If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds __ parts [<i>product name</i>] to __ parts water”</p> <p>“If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.” (These instructions not applicable to wettable powder products).</p> <p>“This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0003 lb a.i./1000</p>	

Table 11. Summary of Labeling Changes for All Allethrin Uses EXCEPT for Use in Coils and Mats (See Table 12 for labeling requirements in coils and mats.)

Description	Amended Labeling Language	Placement on Label
	ft ³ .” Note to registrant: Also express this application rate as pounds or gallons of end-use product formulation.	
General Application Restrictions	“Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.”	Place in the Direction for Use
Application Restrictions- for Indoor Use at Residential Sites	Surface and space sprays will be limited to concentrations no greater than 0.25% a.i. Surface spray uses are limited to spot treatments only. Broadcast surface applications are prohibited”.	Application Restrictions- for Indoor Use at Residential Sites

¹ PPE that is established on the basis of Acute Toxicity of the end-use product must be compared to the active ingredient PPE in this document. The more protective PPE must be placed in the product labeling. For guidance on which PPE is considered more protective, see PR Notice 93-7.

Table 12. Summary of Labeling Changes for Allethrins Used in Coils and Mats Only

Description	Amended Labeling Language	Placement on Label
Manufacturing Use Products		
For all Manufacturing Use Products	“Only for formulation into an <i>insecticide</i> for the following use(s) [fill blank only with those uses that are being supported by MP registrant].”	Directions for use
One of these statements may be added to a label to allow reformulation of the product for a specific use or all additional uses supported by a formulator or user group	“This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).” “This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).”	Directions for Use
Environmental Hazards Statements	“ENVIRONMENTAL HAZARDS” “This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Eliminations System (NPDES) permit and the	Precautionary Statements – Environmental Hazards

Table 12. Summary of Labeling Changes for Allethrins Used in Coils and Mats Only		
Description	Amended Labeling Language	Placement on Label
	permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.”	

Appendix A. Use Patterns Eligible for Reregistration for the Allethrins

Use Type	Maximum Concentration	Restrictions	Formulation or Application Type
Indoor Spot Treatment	0.25% a.i.	Spot treatments only. Remove food and animals from premises prior to treatment. Do not allow children or pets on treated areas until surfaces are dry.	Surface spray, aerosol can, ready to use (RTU)
Indoor Space Spray	0.25% a.i.	Remove food and animals from premises prior to treatment. Do not allow children or pets on treated areas until surfaces are dry.	Aerosol can
Indoor Fogger	3% a.i.	Do not re-enter building for 4 hours. Open exterior doors and windows and allow to air for one hour before reoccupying area. Remove food and animals from premises prior to treatment. Do not allow children or pets on treated areas until surfaces are dry.	Total release aerosol, stationary fogger
Indoor Residential Broadcast (PCO Use Only)	0.1% a.i. spray dilution rate	Limited to 0.5 gallons per 1,000 ft ² . Remove food and animals from premises prior to treatment. Do not allow children or pets on treated areas until surfaces are dry. No broadcast application to rugs and carpets. Do not enter treated areas without protective equipment until surfaces are dry.	Space and surface spray, high and low pressure handwand, RTU
	1.5% a.i. spray dilution for indoor fogging applications	Remove food and animals from premises prior to treatment. Do not allow children or pets on treated areas until surfaces are dry. Do not enter treated areas without protective equipment until surfaces are dry.	Handheld fogger, RTU, ultra low-volume (ULV) space spray

Appendix A. Use Patterns Eligible for Reregistration for the Allethrins

Use Type	Maximum Concentration	Restrictions	Formulation or Application Type
Indoor Commercial/ Institutional/ Industrial Broadcast and Spot Treatment (PCO Use Only)	1.5% a.i. spray dilution rate	Remove food and animals from premises prior to treatment. Do not apply in schools, daycares, or other locations where children are present.	ULV space spray, aerosol can, foliar spray liquid concentrate
Outdoor Space Spray (PCO Only)	0.0003 lb ai/1000 ft ³	Spot treatments only. Remove food and animals from treatment area. Do not allow children or pets on treated areas until surfaces are dry.	Handheld fogger , RTU, ultra low-volume (ULV) space spray, foliar spray liquid concentrate
Outdoor Spot Treatment and Ornamental Trees, Plants, Lawns, Shrubs, and Vines	0.25% a.i.	Spot treatments only. Remove food and animals from treatment area. Do not allow children or pets on treated areas until surfaces are dry.	Space and surface sprays, aerosol cans, foliar spray liquid concentrate
Wasp and Hornet Nest	0.25% a.i.	Outdoor spot treatments or limited occupancy areas (i.e. attics, barns, storage sheds) only. Remove food and animals from treatment area. Spray nest for 2 – 3 seconds.	Aerosol, ready-to-use (RTU)
Handheld Yard and Patio Fogger	0.15% a.i.	Maximum product size is 16 oz. Outdoor use only. Remove food and animals from treatment area. Do not allow children or pets on treated areas until surfaces are dry.	Handheld fogger

Appendix A. Use Patterns Eligible for Reregistration for the Allethrins

Use Type	Maximum Concentration	Restrictions	Formulation or Application Type
Total Release Yard and Patio Fogger	0.15% a.i.	<p>Maximum product size is 1.5 oz.</p> <p>Outdoor use only.</p> <p>Remove food and animals from treatment area.</p> <p>Do not allow children or pets on treated areas until surfaces are dry.</p>	Total release aerosol stationary fogger
Commercial Barns, Stables, Animal Quarters	0.0003 lb a.i./1000 ft ³	<p>Set automatic sprayer timer to operate only once per hour, with spray duration not to exceed one minute.</p> <p>Do not use in barns that contain domestic animals (poultry, cattle, horses, swine, goats, and sheep), that may be used for human consumption.</p> <p>Do not use in thermal generating equipment.</p>	Automatic spraying system
Mosquito Coil	0.34% a.i.	Outdoor use only.	Coils
Repellent Mat	24% a.i.	<p>Maximum product size is 2.3 gram.</p> <p>Outdoor use only.</p>	Mats

Appendix B. Data Supporting Guideline Requirements for Allethrin

Data Supporting Guideline Requirements for the Reregistration of Allethrin			
Guideline Number	Study Description	Use Pattern	Citation(s)
PRODUCT CHEMISTRY			
830.1600	Starting Materials & Manufacturing Process	All	40923801 (upgradable) 41953901 (upgradable)
830.1670	Formation of Impurities	All	40923801 (upgradable) 40923803 (upgradable) 41953901 (upgradable)
830.1700	Preliminary Analysis	All	41953902 40923801 (upgradable) 40923803 (upgradable) 41953802 (upgradable)
830.6302	Color	All	40923801, 40923803, 42049901
830.6303	Physical State	All	40923801, 40923803, 42049901
830.6304	Odor	All	40923801, 40923803, 42049901
830.6313	Stability	All	43752303, 43820101 40923801 (upgradable) 40923803 (upgradable)
830.6317	Storage Stability	All	40923801 (upgradable) 42049901 (upgradable)
830.7000	pH	All	40923801, 40923803, 42049901
830.7050	UV/Visible Absorption	All	Required
830.7200	Melting Point	All	40923801, 40923803, 42049901
830.7220	Boiling Point	All	40923801, 40923803, 42049901
830.7300	Density	All	40923801, 40923803, 42049901
830.7370	Dissociation Constant	All	40923801 (upgradable) 40923803 (upgradable) 42049901 (upgradable)
830.7550	Octanol/Water Partition Coefficient	All	41115302 40923801 (upgradable) 40923803 (upgradable) 42049901 (upgradable)
830.7840 830.7860	Solubility	All	41115302, 42193303, 40923801 (upgradable) 40923803 (upgradable) 42049901 (upgradable)
830.7950	Vapor Pressure	All	41115307, 42193303, 43721101 40923801 (upgradable) 40923803 (upgradable)

Data Supporting Guideline Requirements for the Reregistration of Allethrin			
Guideline Number	Study Description	Use Pattern	Citation(s)
ECOLOGICAL EFFECTS			
850.1010	Aquatic Invertebrate Acute Toxicity - Water flea	All	40098001, 43235801
850.1075	Fish Acute Toxicity, Freshwater and Marine - Multiple Species	All	122546, 40098001
850.2100	Avian Acute Oral Toxicity – Quail and duck	All	27548, 123339
850.3020	Honey Bee Acute Contact	All	49254, 162751
TOXICOLOGY			
870.1100	Acute Oral Toxicity	All	00151444, 00151449, 00151460, 41017101
870.1200	Acute Dermal Toxicity	All	00151451, 41017102, 41155801, 41155802
870.1300	Acute Inhalation Toxicity	All	00151452, 41017103, 41670801, 42906902
870.2400	Acute Eye Irritation	All	00151454, 41017104, 41155803, 41155804
870.2500	Acute Dermal Irritation	All	00151453, 41017104, 41155805, 41155806
870.2600	Skin Sensitization	All	41017105, 41155807, 41155808, 42907001
870.3100	90-Day Oral Toxicity in Rodents	All	00151447 , 42920401, 43760401, 44047101
870.3150	90-Day Oral Toxicity in Non-rodents	All	00151447, 41519802, 43293401, 44013901
870.3200	21/28 -Day Dermal Toxicity	All	41691301, 44331701, 44683701
870.3465	90-Day Inhalation Toxicity	All	44517802
870.3700	Prenatal Developmental Toxicity	All	00078624, 41225802, 41225803, 41225804, 41225805, 41225806, 41632201, 41632202, 44657801, 44666301
870.3800	Reproduction and Fertility Effects, 2-Generation Reproduction	All	41246801, 41519801
870.4100	Chronic Toxicity	All	41099601, 41519802, 41519802 (upgradable)
870.4200	Carcinogenicity	All	41099602, 41519803, 41519804, 42920401, 43760401
870.4300	Combined Chronic Toxicity/Carcinogenicity	All	00157916, 41519803
870.51xx	Bacterial Reverse Mutation Test	All	00133570, 00151455, 00151456, 00151457, 41017106, 41115308, 41503702, 43696501, 43752301, 43804401, 44479501

Data Supporting Guideline Requirements for the Reregistration of Allethrin			
Guideline Number	Study Description	Use Pattern	Citation(s)
870.5140	Gene Mutation (Ames Test)	All	43752301
870.5375	Structural Chromosomal Aberration	All	43696501, 43804401
870.6200	Neurotoxicity Screening battery	All	44517801, 46582501
870.6300	Developmental Neurotoxicity Study	All	Required
870.7485	Metabolism and Pharmacokinetics	All	41898501, 41898502
OCCUPATIONAL / RESIDENTIAL EXPOSURE			
875.1400	Indoor Inhalation Exposure	All	Required
Non-guideline	NDETF Study Volume 2: Post Application Deposition Measurements for Pyrethrins & Piperonyl Butoxide Following Use of a Total Release Fogger	All	46188602
Non-guideline	NDETF Study Volume 13: Measurement of Transfer of Pyrethrin and Piperonyl Butoxide Residues from Vinyl and Carpet Flooring Treated with a Fogger Formulation to DSS Wetted Hands Following a Single Hand Press	All	46188613
Non-guideline	NDETF Study Volume 18: Measurement of Air Concentration, Dermal Exposure and Deposition of Pyrethrin and Piperonyl Butoxide Following the Use of an Aerosol Spray	All	46188618
ENVIRONMENTAL FATE			
835.1240	Leaching/Adsorption/Desorption	All	41900401
835.2110	Hydrolysis as a Function of pH	All	41504401
835.4100	Aerobic Soil Metabolism	All	42336501, 42336502 42678901

Appendix C. Technical Support Documents

Additional documentation in support of the Allethrins RED is maintained in the OPP Regulatory Public Docket, located in Room S-4400 One Potomac Yard (South Building), 2777 S. Crystal Drive, Arlington, VA. It is open Monday through Friday, excluding legal holidays, from 8:30 a.m. to 4:00 p.m. All documents may be viewed in the OPP Docket room or viewed and/or downloaded via the Internet at <http://www.regulations.gov>. The Agency's documents in support of this RED include the following:

1. Dole, T. Allethrins: Revised Occupational and Residential Exposure Assessment and Recommendations for the Reregistration Eligibility Decision (RED). June 27, 2007.
2. Farwell, K. Allethrins: Revised HED Chapter of Reregistration Eligibility Decision Document (RED) for Bioallethrin, Esbiol, Esiothrin, and Pynamin Forte and Section 3 Registration Action for Use in Food Handling Establishments: Esbiothrin and Esbiol. June 27, 2007.
3. Panger, M. Response to Comments (Phase 3) and Revised Environmental Fate and Ecological Risk Assessment in Support of the Reregistration of the Allethrins. April 4, 2007.
4. Panger, M. Summary of the Discussion Between EFED and SRRD on the Exposure and Potential Risk to Non-Target Organisms from Allethrins. June 28, 2007.
5. Lloyd, M. Allethrins: Addendum to the Revised Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED). February 17, 2009.

Appendix D. Bibliography

In addition to the studies listed in Appendix B, this bibliography contains additional citations considered to be part of the database supporting the reregistration decision for Allethrin.

MRID #	Citation
14627	Davis, D.L.; Rich, G.J.; Nelson, C.R.; et al. (1974) Orthene Systemic Spray. (Unpublished study received Jun 11, 1975 under 239-2439; prepared in cooperation with Purdue Univ., Entomology Dept. and Univ. of Wisconsin, submitted by Chevron Chemical Co., Richmond, Calif.; CDL:114131-D)
15270	Burden, G.S. (1974) Repellency of Selected Insecticides to <i>Blattella germanica</i> . (Unpublished study received Apr 4, 1978 under 239-EX-89; prepared by U.S. Agricultural Research Service, Insects Affecting Man Research Laboratory, submitted by Chevron Chemical Co., Richmond, Calif.; CDL:233844-Q)
26597	Gerberg, E.J. (1979) Field Tests of TL-2022 and TL-2072 against the Yellow Jacket Vespasp. and the Bald-Faced Hornet <i>Vespula maculata</i> . (Unpublished study received Dec 18, 1979 under 1021-1423; prepared by Insect Control & Research, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL: 241530-A)
26820	McLaughlin Gormley King Company (19??) Multicide(R) Intermediate 2087. (Unpublished study received Dec 13, 1979 under 1021-1422; CDL:241519-A)
26821	Mitchell, K.; Schley, G.; Ingersoll, A.; et al. (1977) Summarization of Efficacy Reports To Support Claims on a John Doe Label from Intermediate 2078. (Unpublished study received Dec 13, 1979 under 1021-1422; prepared in cooperation with Warf Institute, Inc. and Environmental Consultants, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:241519-B)
27513	WARF Institute, Incorporated (1972) Report: WARF Institute No. 2080192-01970. (Unpublished study received Mar 2, 1973 under 1021-1242; submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:008465-A)
27514	Pauley, R.W.; Goetz, W. (1972) Report: WARF Institute No. 2080192- 97 I. (Unpublished study received Mar 2, 1973 under 1021-1242; prepared by WARF Institute, Inc., submitted by McLaughlin Gorm- ley King Co., Minneapolis, Minn.; CDL:008465-B)
27545	Mauck, B.; Olson, L.E. (1972) Highlights. (Unpublished study received Dec 13, 1979 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:241520-A)
27546	Raltech Scientific Services, Incorporated (1979) Aquatic Invertebrate Toxicity Study--Daphnia: RT No. 8084240. (Unpublished study received Dec 13, 1979 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:241520-B)
27547	Beavers, J.B.; Fink, R.; Brown, R. (1978) Final Report: Eight-Day Dietary LC50--Bobwhite Quail: Project No. 163-102. (Unpublished study received Dec 13, 1979 under 1021-1422; prepared by Wildlife International, Ltd. in cooperation with Washington College, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:241520-C)
27548	Beavers, J.B.; Fink, R.; Brown, R. (1978) Final Report: Eight-Day Dietary LC50--Mallard Duck: Project No. 163-104. (Unpublished study received Dec 13, 1979 under 1021-1422; prepared by Wildlife International, Ltd. in cooperation with Washington College, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:241520-D)

MRID #	Citation
30842	Haus, J.; Guzman, B. (1980) Pramex/Bioallethrin Concentrate 10-10: Physical and Chemical Properties. (Unpublished study including assay report nos. P-1474 and P-1514, received Jun 12, 1980 under 432-584; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 242657-A)
30843	Penick Corporation (19??) Technical Bulletin: Formulation Guide. (Unpublished study received Jun 12, 1980 under 432-584; CDL: 242658-A)
30844	Penick Corporation (1979) ?Chemical Analysis of Pramex(R)/Bio- allethrin Concentrate 10-10 . (Unpublished study received Jun 12, 1980 under 432-584; prepared in cooperation with Witco Chemical Corp. and others; CDL:242658-B)
30845	Penick Corporation (19??) Determination of 10.0% Pramex(R) and 10.0% Bioallethrin Concentrate for Aqueous Pressurized Sprays. Undated method. (Unpublished study received Jun 12, 1980 under 432-584; CDL:242658-C)
30846	Levenstein, I. (1980) To Determine the Oral LD ₅₀ in Fasted Rats of the Test Material As Submitted: Assay No. 02778. (Unpublished study received Jun 12, 1980 under 432-584; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242659-C)
30847	Levenstein, I. (1980) Dermal Irritation Study on Rabbits: Assay No. 02779. (Unpublished study received Jun 12, 1980 under 432- 584; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242659-D)
30848	Levenstein, I. (1980) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 02781. (Unpublished study received Jun 12, 1980 under 432- 584; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242659-E)
30849	Penick Corporation (19??) Pramex/Bioallethrin Aqueous Pressurized Spray (0.2% + 0.2%): Product Identity. (Unpublished study received Jun 12, 1980 under 432-585; CDL:242653-A)
30850	Penick Corporation (1975) Flame Projection Test. (Unpublished study received Jun 12, 1980 under 432-585, CDL:242653-B)
30851	Guzman, B. (1980) (Storage Stability Study of Pramex(R) (Permethrin)/Bioallethrin 0.2-0.2%): Assay No. P-1477. (Unpublished study including assay no. P-1516, received Jun 12, 1980 under 432-585; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 242534-C)
30852	Penick Corporation (1979?) Pramex(R)/Bioallethrin(R) Aqueous Pressurized Spray (0.2% + 0.2%): Manufacturing Process. (Unpublished study received Jun 12, 1980 under 432-585; prepared in cooperation with Phillips Petroleum Co.; CDL:242654-A)
30853	Penick Corporation (19??) Determination of 0.20% Bioallethrin and 0.20% Pramex(R)I(Permethrin) in Aqueous Pressurized Cans. Un- dated method. (Unpublished study received Jun 12, 1980 under 432-585; CDL:242654-B)
30854	Levenstein, I. (1980) ?Toxicity Study on Rabbits: Assay No. 02790. (Unpublished study received Jun 12, 1980 under 432-585; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242656-B)
30855	Levenstein, I. (1980) ?Toxicity Study on Rabbits: Assay No. 02791. (Unpublished study received Jun 12, 1980 under 432-585; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242656-C)
30856	Levenstein, I. (1980) To Determine If the Test Material Produces Any Irritation when Instilled into Rabbits' Eyes: Assay No. 02793. (Unpublished study received Jun 12, 1980 under 432- 585; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242656-D)
30857	Levenstein, I. (1980) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 02792. (Unpublished study received Jun 12, 1980 under 432-585; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242656-E)

MRID #	Citation
30858	McCarter, M.S. (1980) Pramex/Bioallethrin Aqueous Pressurized Spray (0.2% + 0.2%): General Information. (Unpublished study received Jun 12, 1980 under 432-585; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242655-A)
30859	Levenstein, I. (1980) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 02780. (Unpublished study received Jun 12, 1980 under 432-584; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242659-F)
31368	Rausina, G. (1974) Report to McLaughlin Gormley King Company: Four- Day Static Fish Toxicity Studies with X-2840-74 in Rainbow Trout and Bluegills: IBT No. 621-05281. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-M)
31369	Fletcher, D. (1974) Report to McLaughlin Gormley King Company: 8- Day Dietary LC50 Study with X-2840-74 in Mallard Ducklings: IBT No. 651-05280. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-N)
31370	Kretchmar, B. (1973) Report to McLaughlin Gormley King Company: Acute Oral Toxicity Studies with Three Samples in Albino Rats: IBT No. 601-02786. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-O)
31375	Ingle, L. (1971) Oral and Dermal Toxicity of TL-192 and TL-193. (Unpublished study including letter dated May 25, 1971 from G.J. Baker to L. Ingle, received Dec 17, 1975 under 1021-88; prepared by Univ. of Illinois, Dept. of Zoology, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-T)
31376	Ingle, L. (1971) Mist Chamber Tests of Aerosols. (Unpublished study received Dec 17, 1975 under 1021-88; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-U)
31377	Taylor, R.E. (1973) Acute Oral Toxicity (LD50). (Unpublished study including letter dated Feb 8, 1973 from B. Oxley to Griffin J. Baker, received Dec 17, 1975 under 1021-88; prepared by Harris Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-W)
31378	Taylor, R.E. (1973) Acute Dermal Toxicity Test. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Harris Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-X)
31668	McCarter, M.S.; Calsetta, D.R. (1980) SBP-1382(R)/Bioallethrin (0.20%+ 0.075%) Aqueous Pressurized Spray for Flying Insects. (Unpublished study received Apr 21, 1980 under 432-578; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242280-A)
31926	McLaughlin, Gormley, King Company (1980) Contact Spray Test. (Unpublished study received Apr 23, 1980 under 1021-1471; CDL: 242342-B)
31927	McLaughlin, Gormley, King Company (1979) Primary Space Spray Test. (Unpublished study received Apr 23, 1980 under 1021-1471; CDL: 242342-C)
31928	McLaughlin, Gormley, King Company (1980) Linking Space Spray Test: Other Allethrins. (Unpublished study received Apr 23, 1980 under 1021-1417; CDL:242342-D)
31929	McLaughlin, Gormley, King Company (19??) Allethrin Degradation Studies. (Unpublished study received Apr 23, 1980 under 1021- 1417; CDL:242342-E)
31930	McLaughlin, Gormley, King Company (19??) Residue Analysis of d-trans Allethrin, MGK-264, and Piperonyl butoxide in Candy, Butter, Potatoes, Lemon Cream Pie, Bread and Meat. Undated method. (Unpublished study received Apr 23, 1980 under 1021- 1417; CDL:242342-F)
31931	Kassera, D.C. (1980) Residue Study. (Unpublished study received Apr 23, 1980 under 1021-1417; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242342-G)

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32132	Schley, G.; Childs, J.; Mitchell, K. (1980) Residual Efficacy--German Cockroaches: MGK File No. C-1276-80. (Unpublished study received Mar 19, 1980 under 464-448; prepared by McLaughlin, Gormley, King Co., submitted by Dow Chemical U.S.A., Midland, Mich.; CDL:242383-A)
32477	Schley, G.; Childs, J.; Mitchell, K. (1980) Residual Efficacy--House Flies: MGK File No. E-2206-80. (Unpublished study received Mar 19, 1980 under 464-448; prepared by McLaughlin, Gormley, King Co., submitted by Dow Chemical U.S.A., Midland, Mich.; CDL:242364-A)
32520	Penick Corporation (1977) Amendment--EPA Reg. No. 432-536. (Unpublished study received Apr 24, 1980 under DE 80/5; submitted by Delaware, Dept. of Agriculture, Div. of Production and Promotion for Penick Corp., Lyndhurst, N.J.; CDL:242353-K)
32592	McCarter, M.S. (1979) SBP-1382(R)I/Bioallethrin (0.20% + 0.10%) Aqueous Pressurized Spray for Flying Insects: Efficacy. (Unpublished study received Apr 17, 1980 under 432-575; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242735-A)
34076	Cronin, D.M.; Tuttle, T.E.; Brower, D.O. (1980) Summary of Results: Insecticide Evaluation: Project No. A-5578. (Unpublished study received Jun 19, 1980 under 4822-162; submitted by S.C. Johnson and Sons, Inc., Racine, Wis.; CDL:242686-A)
35700	McLaughlin, Gormley, King Company (19??) Code Sheet: TL-1998: (Chemical Composition). (Unpublished study received Jan 10, 1980 under 1021-1427; CDL: 242616-A)
35701	Gabriel, K.L. (1979) Guinea Pig Contact Dermal Irritation/Sensitization: TL-1998. (Unpublished study received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242616-B)
35702	Gabriel, K.L. (1979) Acute Dermal Toxicity--Rabbits: TL-1998. (Unpublished study including letter dated Mar 12, 1979 from A. Affrime to Frederick J. Preiss, received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242616-C)
35703	Gabriel, K.L. (1979) Primary Skin Irritation Study--Rabbits: TL-1998. (Unpublished study received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242616-D)
35704	Gabriel, K.L. (1979) Primary Eye Irritation Study--Rabbits: TL-1998. (Unpublished study received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242616-F)
35705	McLaughlin, Gormley, King Company (19??) Code Sheet: TL-1999. (Unpublished study received Jan 10, 1980 under 1021-1427; CDL: 242613-A)
35706	Gabriel, K.L. (1979) Acute Inhalation Toxicity--Rats. (Unpublished study received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242613-B)
35707	Schley, G.; Childs, J. (1979) Aerosol Efficacy--Cockroaches: MGK File No. C-1273-79. (Unpublished study received Jan 10, 1980 under 1021-1427; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242614-A)
35708	Schley, G.; Childs, J. (1979) Aerosol Efficacy--House Flies: TL-2121, TL-2122, TL-2123, TL-2067, Raid Professional Strength and OTA-11: MGK File No. A-1446-79. (Unpublished study received Jan 10, 1980 under 1021-1427; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242615-A)
35770	Penick Corporation (19??) Pramex/Bioallethrin Aqueous Pressurized Spray (0.15% + 0.25%): Acute Toxicology Summary. Summary of studies 242582-B through 242582-E. (Unpublished study received Jun 4, 1980 under 432-582; CDL:242582-A)
35906	Gabriel, K.L. (1979) Acute Oral Toxicity--Rats. (Unpublished study received Jan 10, 1980 under 1021-1427; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242616-E)

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36605	Preiss, F.; Schley, G.; Childs, J.; et al. (1980) Special Efficacy Test--ULV Application: MGK File No. E-2244-80. (Unpublished study received Jul 9, 1980 under 1021-1453; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242792-A)
39457	McLaughlin, Gormley, King Company (1980) Laboratory Report: F-2237 Concentrate & Aerosol. (Unpublished study received Jun 17, 1980 under 1021-1452; CDL:242888-A)
39458	Schley, G.; Childs, J.; Mitchell, K.; et al. (1980) Aerosol Efficacy on Flies, Fleas and Roaches: MKG File No. A-1457-80. (Unpublished study including MGK File nos. #2216-80 and C-1282- 80, received Jun 17, 1980 under 1021-1452; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242889-A)
39459	Preiss, F.J. (1980) Summary of Results of Acute Toxicity Studies: Project No. 80-1951A. Summary of studies 242890-B through 242890-E. (Unpublished study received Jun 17, 1980 under 1021-1453; prepared in cooperation with Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242890-A)
39460	Gabriel, K.L. (1980) Acute Oral Toxicity LDI50--Rats: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1453; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242890-B)
39461	Gabriel, K.L. (1980) Acute Dermal Toxicity LDI50--Rabbits: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1453; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242890-C)
39462	Gabriel, K.L. (1980) Primary Eye Irritation--Rabbits: Project NO. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1453; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242890-D)
39463	Gabriel, K.L. (1980) Primary Skin Irritation--Rabbits: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1453; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242890-E)
39464	Preiss, F.J. (1980) Summary of Results of Acute Toxicity Studies: Project No. 80-1951A. Summary of studies 242891-B through 242891-G. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared in cooperation with Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-A)
39465	Gabriel, K.L. (1980) Acute Oral Toxicity LDI50--Rats: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-B)
39466	Gabriel, K.L. (1980) Acute Dermal Toxicity LDI50--Rabbits: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-C)
39467	Gabriel, K.L. (1980) Primary Eye Irritation--Rabbits: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-D)
39468	Gabriel, K.L. (1980) Primary Skin Irritation--Rabbits: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-E)
39469	Gabriel, K.L. (1980) Acute Inhalation Toxicity--Rats: Project No. 80-1951A. (Unpublished study received Jun 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-F)
39470	Gabriel, K.L. (1980) Guinea Pig Contact Dermal Irritation/Sensitization. (Unpublished study received Jan 17, 1980 under 1021-1452; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242891-G)

MRID #	Citation
43030	Schley, G.; Mitchell, K.; Child, J. (1980) Residual Efficacy--Oriental Cockroaches: MGK File No. C-1297-80. (Unpublished study received Sep 4, 1980 under 1021-1457; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243152-A)
43031	Schley, G.; Mitchell, K.; Child, J. (1980) Residual Efficacy--American Cockroaches: MGK File No. C-1298-80. (Unpublished study received Sep 4, 1980 under 1021-1457; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243151-A)
43032	Schley, G.; Mitchell, K.; Child, J. (1980) Residual Efficacy--House Flies: MGK File No. E-2246-80. (Unpublished study received Sep 4, 1980 under 1021-1457; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243150-A)
44293	Schley, G.; Mitchell, K.; Child, J. (1980) Report: Residual Efficacy--German Cockroaches: MGK File No. C-1296-80. (Unpublished study received Sep 4, 1980 under 1021-1457; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243153-A)
44821	Schley, G.; Childs, J.; Preiss, F.; et al. (1980) ?Efficacy of F-2079 on Insects : MGK File No. A-1458-80. (Unpublished study including MGK file nos. C-1283-80, E-2219-80, E-2217-80 and E- 2218-80, received Mar 26, 1980 under 1021-1403; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242971-A)
45719	Mitchell, K.; Schley, G. (1979) Total Release Aerosol--House Flies: MGK File No. A-1432-79. (Unpublished study received Feb 19, 1980 under 11715-96; prepared by McLaughlin, Gormley, King Co., submitted by Speer Products, Inc., Memphis, Tenn.; CDL:243113-A)
45720	Mitchell, K.; Schley, G. (1979) Total Release Aerosol--German Cock- roaches: MGK File No. C-1254-79. (Unpublished study received Feb 19, 1980 under 11715-96; prepared by McLaughlin, Gormley, King Co., submitted by Speer Products, Inc., Memphis, Tenn.; CDL:243113-B)
46579	Schley, G.; Childs, J. (1980) Residual Efficacy--Stored Product Pests: MGK File No. E-2243-80. (Unpublished study received Aug 7, 1980 under 1021-1439; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243441-A)
46580	Schley, G.; Childs, J. (1980) Residual Efficacy--German Cock- roaches: MGK File No. C-1293-80. (Unpublished study received Aug 7, 1980 under 1021-1439; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243440-A)
47080	Fletcher, D. (1973) Report to McLaughlin Gormley King Company: 8-Day Dietary LCI50^ Study with S-Bioallethrin in Bobwhite Quail: IBT No. 651-02851. (Unpublished study received Apr 11, 1973 under unknown amdin. no.; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:133033-A)
47081	Fletcher, D. (1973) Report to McLaughlin Gormley King Company: 8-Day Dietary LCI50^ Study with S-Bioallethrin in Mallard Ducks: IBT No. 651-02852. (Unpublished study received Apr 11, 1973 under unknown admin. no.; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:133034-A)
47188	Penick Corporation (1969) Specifications of SBP-1382, Bioallethrin and Other Chemicals . (Reports by various sources; unpublished study received Oct 30, 1970 under 432-482; CDL:133073-A)
47189	S.B. Penick & Company (19??) Methods, Stability Data and Flame Test for Bioallethrin and SBP 1382. Includes undated method entitled: Method of analysis of Bioallethrin and method entitled: Method of analysis of SBP 1382. (Unpublished study received Oct 30, 1970 under 432-482; CDL:133073-B)
47190	Penick Corporation (19??) Aqueous Pressurized Sprays: Flame Projection Test: CSMA Flammability Test Methods for Aerosol Products. (Unpublished study received Oct 30, 1970 under 432-482; CDL: 133073-C)

MRID #	Citation
47191	Levenstein, I. (1970) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes As Described Below: Assay No. 09351. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:133073-D)
47192	Levenstein, I. (1970) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits: Assay No. 09352. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL: 133073-E)
47193	Littlefield, N.A. (1970) Final Report: Acute Inhalation Exposure-- Rats: Project No. 347-123. (Unpublished study received Oct 30, 1970 under 432-482; prepared by TRW, Inc., submitted by Penick Corp., Lyndhurst, N.J.; CDL:133073-F)
47194	Wolven, A.M.; Levenstein, I. (1970) To Determine the Oral LD ₅₀ in Fasted Rats of the Test Material As Submitted: Assay No. 09339. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:133073-G)
47195	Wolven, A.M.; Levenstein, I. (1970) Toxicity of Bioallethrin to Guinea Pigs: Assay No. 09353. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:133073-H)
47404	McLaughlin, Gormley, King Company (1972) Report: Patio Fogger Test--Aerosol. (Unpublished study received Sep 28, 1972 under 1021-1228; CDL:225736-A)
47405	Goetz, W. (1970) Report: WARF Institute No. 0120428. (Unpublished study received Jan 13, 1971 under 1021-1154; prepared by WARF Institute, Inc., submitted by McLaughlin, Gormley, King Co., Kansas City, Kans.; CDL:225735-A)
48848	McLaughlin, Gormley, King Company (1972) Patio Fogger Test--Aerosol: MGK File No. A-1008-721. (Unpublished study received Sep 28, 1972 under 1021-1229; CDL:225737-A)
48855	Carpenter, C.P.; Weil, C.S.; Pozzani, U.C.; et al. (19??) Comparative acute and subacute toxicities of Allethrin and Pyrethrins. Industrial Hygiene and Occupational Medicine ? :420-432. (Also In unpublished submission received Feb 28, 1972 under 3282-28; submitted by D-Con Co., Inc., Montvale, N.J.; CDL:225677-B)
48926	Mitchell, K. (1980) Special Efficacy Test--Insect Repellent Barrier--German Cockroaches: MGK File No. D-1116-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243589-A)
48927	Schley, G.; Mitchell, K. (1980) Special Efficacy Test--Insect Repellent Barrier--Ants: MGK File No. E-2241-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 243587-A)
48928	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy-- Sawtoothed Grain Beetle: MGK File No. E-2228-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243588-A)
49033	WARF Institute, Incorporated (1971) Report: WARF Institute No. 0042459-61. (Compilation; unpublished study including WARF Institute no. 109539-42, received Oct 26, 1971 under unknown admin. no.; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:228454-A)
49063	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy--Rice Weevil: MGK File No. E-2230-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243594-A)
49064	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy-- Confused Flour Beetles: MGK File No. E-2238-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243593-A)

MRID #	Citation
49065	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy-- Ticks: MGK File No. E-2231-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243592-A)
49066	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy--Ants: MGK File No. E-2229-80. (Unpublished study received Jul 22, 1980 under 1021-1455; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243590-A)
49653	McLaughlin, Gormley, King Company (1972) Efficacy Study: Aerosol. (Compilation; unpublished study received Oct 12, 1972 under unknown admin. no.; CDL:132788-A)
49839	S.C. Johnson and Sons, Incorporated (1980) Summary of Results: CSMA Aerosol Tests. (Compilation; unpublished study received Jun 19, 1980 under 4822-162; CDL:243580-A)
51490	Goetz, W. (1975) Letter sent to George K. Schumaker dated Aug 28, 1975 Direct spray tests against hornets and wasps: WARF No. 5072687. (Unpublished study including WARF no. 5072687I and 5072687II, received Nov 17, 1975 under 432-542; submitted by Penick Corp., Lyndhurst, N.J.; CDL:222118-A)
52400	Penick Corporation (19??) Technical Bulletin: Formulation Guide. (Unpublished study received Jun 4, 1980 under 432-581; CDL: 242592-A)
52401	Haus, J. (1980) Pramex/Bioallethrin Concentrate 7.5-12.5. (Unpub- lished study received Jun 4, 1980 under 432-581; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242592-B)
52402	Guzman, B. (1980) ?Chemical Data for Pramex/Bioallethrin]: Assay Report No. P-1475. (Unpublished study including assay report no. P-1513, received Jun 4, 1980 under 432-581; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242592-C)
52403	Penick Corporation (1979) ?Chemical Data for Pramex/Bioallethrin]. (Unpublished study received Jun 4, 1980 under 432-581; prepared in cooperation with Witco Chemical Corp. and others; CDL: 242593-B)
52404	Penick Corporation (19??) Determinatin of 7.5% Pramex^(R)I and 12.5% Bioallethrin Concentrate for Aqueous Pressurized Sprays. Undated method. (Unpublished study received Jun 4, 1980 under 432-581; CDL:242593-C)
52405	Penick Corporation (19??) Pramex/Bioallethrin Aqueous Pressurized Spray (0.15% + 0.25%). (Unpublished study received Jun 4, 1980 under 432-582; CDL:242584-A)
52406	Haus, J. (1975) Flame Projection Test: CSMA Flammability Test Method for Aerosol Products. Undated method. (Unpublished study received Jun 4, 1980 under 432-582; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242584-B)
52407	Guzman, B. (1980) Chemical Data for Pramex/Bioalletherin: Assay Report No. P-1478. (Unpublished study including assay report no. P-1515, received Jun 4, 1980 under 432-582; submitted by Penick Corp., Lyndhurst, N.J.; CDL:242584-C)
52408	Penick Corporation (1980) Chemical Data for Pramex/Bioallethrin. (Unpublished study received Jun 4, 1980 under 432-582; prepared in cooperation with Phillips Petroleum Co.; CDL:242585-A)
52409	Penick Corporation (1979) Determination of 0.25% Bioallethrin and 0.15% Pramex(R)I (Permethrin) in Aqueous Pressurized Cans. Un- dated method. (Unpublished study received Jun 4, 1980 under 432-582; CDL:242585-B)
52410	McCarter, M.S. (1980) Pramex/Bioallethrin Aqueous Pressurized Spray (0.15% + 0.25%). (Unpublished study received Jun 4, 1980 under 432-582; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 242583-A)
52411	Penick Corporation (1980) Pramex/Bioallethrin Concentrate 7.5-12.5: Acute Toxicology Summary. Summary of studies 242591-C through 242591-F. (Unpublished study received Jun 4, 1980 under 432- 581; CDL:242591-B)

MRID #	Citation
52412	Levenstein, I. (1980) Toxicology Data for Pramex/Bioallethrin on Rats : Assay No. 02782. (Unpublished study received Jun 4, 1980 under 432-581; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242591-C)
52413	Levenstein, I. (1980) Toxicology Data for Pramex/Bioallethrin on Rabbits : Assay No. 02783. (Unpublished study received Jun 4, 1980 under 432-581; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242591-D)
52414	Levenstein, I. (1980) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 02784. (Unpublished study received Jun 4, 1980 under 432-581; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242591-E)
52415	Levenstein, I. (1980) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 02785. (Unpublished study received Jun 4, 1980 under 432- 581; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242591-F)
52416	Levenstein, I. (1980) Toxicology Data for Pramex/Bioallethrin on Rats : Assay No. 02786. (Unpublished study received Jun 4, 1980 under 432-582; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242582-B)
52417	Levenstein, I. (1980) Toxicology Data for Pramex/Bioallethrin on Rabbits : Assay No. 02787. (Unpublished study received Jun 4, 1980 under 432-582; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242582-C)
52418	Levenstein, I. (1980) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 02788. (Unpublished study received Jun 4, 1980 under 432-582; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242582-D)
52419	Levenstein, I. (1980) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 02789. (Unpublished study received Jun 4, 1980 under 432- 582; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, N.J.; CDL:242582-E)
52420	Schley, G.; Childs, J. (1979) Report: MGK File No. A-1446-79. (Un- published study including MGK file no. C-1273-79, received May 12, 1980 under 1021-1426; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242596-B)
53121	Biosearch, Incorporated (1980) Summary of Results of Acute Toxicity Studies: Project No. 80-2012A. Summary of studies 243442-B through 243442-F. (Unpublished study received Aug 7, 1980 under 1021-1439; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243442-A)
53122	Gabriel, K.L. (1980) Acute Oral Toxicity LD ₅₀ --Rats: Project No. 80-2-12A. (Unpublished study received Aug 7, 1980 under 1021-1439; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243442-B)
53123	Gabriel, K.L. (1980) Acute Dermal Toxicity LD ₅₀ --Rabbits: Project No. 80-2912A. (Unpublished study received Aug 1, 1980 under 1021-1439; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243442-C)
53124	Gabriel, K.L. (1980) Primary Skin Irritation--Rabbits: Project No. 80-2012A. (Unpublished study received Aug 7, 1980 under 1021-1439; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243442-D)
53125	Gabriel, K.L. (1980) Primary Eye Irritation--Rabbits: Project No. 80-2012A. (Unpublished study received Aug 7, 1980 under 1021-1439; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243442-E)
53126	Gabriel, K.L. (1980) Guinea Pig Contact Dermal Irritation/Sensitization: Project No. 80-2012A. (Unpublished study received Aug 7, 1980 under 1021-1439; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 243442-F)

MRID #	Citation
53204	WARF Institute, Incorporated (1974) Report: WARF No. 4080073. (Unpublished study received Oct 16, 1974 under 4822-141; submitted by S.C. Johnson and Sons, Inc., Racine, Wis.; CDL: 051042-A)
53303	Ingle, L. (1972) Local Toxicity--Skin Patch Tests . (Incomplete; unpublished study received Nov 9, 1972 under 1021-1242; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 105520-A)
54524	Sumitomo Chemical America, Incorporated (1978) Field Tests--Minnesota--for Phytotoxicity Only. (Unpublished study received Dec 17, 1980 under 39398-10; CDL:243970-G)
54761	Gabriel, K.L. (1976) Guinea Pig Contact Dermal Irritation/Sensitization: X-3154-76.. (Unpublished study received Jan 19, 1977 under 1021- 1026; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:231946-B)
54762	Gabriel, K.L. (1976) Acute Dermal Toxicity--Rabbits: X-3154-76.. (Unpublished study received Jan 19, 1977 under 1021-1026; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:231946-C)
54763	Gabriel, K.L. (1976) Primary Skin Irritation Study--Rabbits: X-3154-76. (Unpublished study received Jan 19, 1977 under 1021-1026; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:231946-E)
54764	Gabriel, K.L. (1976) Primary Eye Irritation Study--Rabbits: X-3154-76. (Unpublished study received Jan 19, 1977 under 1021-1026; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:231946-G)
55509	Fletcher, D. (1974) Report to Mc Laughlin Gormley King Company: 8-Day Dietary LCI50^ Study with X-2840-74 in Mallard Ducklings: IBT No. 651-05280. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Industrial Bio-Test Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-N)
55512	Ingle, L. (1972) Toxicity of Formulations TL-380, TL-381, TL-382, and TL-383. (Unpublished study received Dec 17, 1975 under 1021-88; prepared by Univ. of Illinois, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221996-V)
55886	Balier, G.J. (1973) Laboratory Report: 1871. (Unpublished study received Mar 14, 1973 under 8848-21; prepared by McLaughlin Gormley King Co., submitted by Safeguard Chemical Corp., Bronx, N.Y.; CDL:229446-A)
56123	Wisconsin Alumni Research Foundation (1960) Bioassay Report: W.A.R.F. No. 06056-58. (Unpublished study received May 19, 1969 under 10423-6; submitted by Essex Chemical Corp., Orange, Conn.; CDL:228931-A)
56176	WARF Institute, Incorporated (1975) Report: WARF Institute No. 5072684. (Unpublished study received Nov 17, 1975 under 432-452; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 222117-A)
56384	Realex Corporation (1970) Phytotoxicity Evaluation Studies. (Re- ports by various sources; unpublished study received Sep 22, 1971 under 478-76; CDL:221482-A)
56762	Malter International Corporation (1975?) Efficacy Data: Bioallethrin Insecticide . (Compilation; unpublished study received Oct 19, 1976 under 1266-171; CDL:226362-B)
56763	S.B. Penick & Company (1970?) Summary of Toxicology for SBP-1382/ Bioallethrin. (Unpublished study received Oct 19, 1976 under 1266-171; submitted by Malter International Corp., New Orleans, La.; CDL:226362-C)
57240	Elliott, M.; Farnham, A.W.; Janes, N.F.; et al. (1973) NRDC 143, a more stable pyrethroid. Proceedings, 7th British Insecticide and Fungicide Conference :721-728. (Also In unpublished submission received Dec 29, 1975 under 10182-EX-3; submitted by ICI Americas, Inc., Wilmington, Del.; CDL:227724-E)

MRID #	Citation
57991	Wallace, J.M., Comp. (1976) Toxicity Studies: Aqueous Aerosol Intermediate No. 8222RT. (Unpublished study received Oct 20, 1976 under 432-532; prepared by Bio-Toxicology Laboratories, Inc., submitted by Penick Corp., Lyndhurst, N.J.; CDL:226372-A)
58380	S.C. Johnson and Sons, Incorporated (1980) Summary of Results. Summary of studies 243699-B and 243699-C. (Unpublished study received Nov 12, 1980 under 4822-186; CDL:243699-A)
58381	WARF Institute, Incorporated (1977) Report: WARF Institute No. 7022118. (Unpublished study received Nov 12, 1980 under 4822-186; submitted by S.C. Johnson and Sons, Inc., Racine, Wis., CDL:243699-B)
58382	Ralston Purina Company (1980) Acute Dermal Toxicity: RT Lab No. 807932. (Unpublished study received Nov 12, 1980 under 4822-186; submitted by S.C. Johnson and Sons, Inc., Racine, Wis.; CDL:243699-C)
58754	S.B. Penick & Company (1976) SBP-1382 Storage Stability. (Compilation; unpublished study received Apr 9, 1976 under 432-432; CDL:224431-F)
58925	S.C. Johnson & Son, Incorporated (1980) Trigger Spray H&G: Project P-875. (Compilation; unpublished study received Nov 3, 1980 under 4822-183; CDL:243635-A)
58942	Chevron Chemical Company (19??) Product Chemistry Data for Ortho Hi-Power Home Insect Fogger. (Unpublished study received Nov 3, 1980 under 239-2484; CDL:243636-A)
58973	McLaughlin, Gormley, King Company (19??) The Name and All Pertinent Information Concerning Such Food Additive Including Where Avail- able, Its Chemical Identity and Composition: Evercide 1000-C . (Unpublished study received Mar 2, 1962 under 0H0227; CDL: 221575-A)
58977	McLaughlin, Gormley, King Company (1958) Allethrin Concentrate 90%. (Unpublished study received Mar 2, 1962 under 0H0227; CDL: 221575-E)
58979	McLaughlin, Gormley, King Company, Incorporated (19??) Flour Mill Sanitation with Evercide Concentrate 1000-C and Evercide Concentrate 776. Minneapolis, Minn.: MGK Co., Inc. (Technical bul- letin; also In unpublished submission received Mar 2, 1962 under 0H0227; CDL:221575-G)
58980	McLaughlin, Gormley, King Company (1950) ?Efficacy of Non-toxic Insecticides . (Compilation; unpublished study received Mar 2, 1962 under 0H0227; CDL:221575-H)
58981	Anon. (19??) Without Title . N.P. (p. 351 only; also In unpublished submission received Mar 2, 1962 under 0H0227; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 221575-I)
58989	Anon. (19??) ?Without Title . N.P. (p. 14 only; also In unpublished submission received Mar 2, 1962 under 0H0227; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 221575-R)
59290	Penick Corporation (1970) Summary of Toxicology Reports for SBP- 1382/Bioallethrin Concentrate 1.0-0.75 under E.P.A. Reg. No. 432-482. (Unpublished study received Nov 15, 1972 under 432-515; CDL:221385-A)
59887	S.B. Penick & Company (1950) Pyresyn. (Unpublished study received May 22, 1950 under unknown admin. no.; CDL:117544-A)
60035	Elliott, M.; Farnham, A.W.; Janes, N.F.; et al. (1973) NRDC 145: A more stable pyrethroid. Proceedings of the 7th British Insecticide Conference :721-728. (Also In unpublished submission received Feb 3, 1977 under 10182-EX-8; submitted by ICI Americas, Inc., Wilmington, Del.; CDL:228194-B)
60241	McLaughlin, Gormley, King Company (19??) Code Sheet: X-3240-78. (Unpublished study received Apr 21, 1978 under 1021-1356; CDL: 233506-A)
60242	Gabriel, K.L. (1978) Acute Dermal Toxicity--Rabbits: Project No. 78-1172A. (Unpublished study received Apr 21, 1978 under 1021-1356; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:233506-B)

MRID #	Citation
60243	Gabriel, K.L. (1978) Primary Skin Irritation Study--Rabbits: Project No. 78-1172A. (Unpublished study received Apr 21, 1978 under 1021-1356; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:233506-C)
60244	Gabriel, K.L. (1978) Primary Eye Irritation Study--Rabbits: Project No. 78-1172A. (Unpublished study received Apr 21, 1978 under 1021-1356; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:233506-D)
60245	Gabriel, K.L. (1978) Acute Oral Toxicity--Rats: Project No. 78- 1172A. (Unpublished study received Apr 21, 1978 under 1021- 1356; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:233506-E)
60246	Gabriel, K.L. (1978) Guinea Pig Contact Dermal Irritation/Sensitization: Project No. 78-1172A. (Unpublished study received Apr 21, 1978 under 1021-1356; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:233506-F)
62916	Gabriel, K.L. (1979) Acute Oral Toxicity Study: Project No. 78- 1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-A)
62917	Gabriel, K.L. (1979) Primary Eye Irritation Study--Rabbits: Project No. 78-1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-B)
62918	Gabriel, K.L. (1979) Acute Dermal Toxicity--Rabbits: Project No. 78-1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-D)
62919	Gabriel, K.L. (1979) Guinea Pig Contact Dermal Irritation/Sensitization: Project No. 78-1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-E)
62920	Gabriel, K.L. (1978) Acute Inhalation Toxicity--Rats: Project No. 78-1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-F)
63001	Insect Control & Research, Incorporated (1980) Efficacy Tests of d-Con Four/Gone Automatic Room Fogger, Formula II, against Various Insects . (Compilation; unpublished study received Oct 21, 1980 under 3282-59; submitted by D-Con Co., Inc., Montvale, N.J.; CDL:243897-A)
63081	McLaughlin Gormley King Company (1978) Residues of Neo-pynamin, Sumithrin and Pynamin Forte in Food Resulting from Use of a Water-base Pressurized Space Spray. (Unpublished study received Oct 29, 1980 under 1H5283; CDL:243803-H)
63229	Sumitomo Chemical Company, Limited (19??) Pynamin Forte(R) (d- cis, trans Allethrin: Physical and Chemical Properties). (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-A)
63232	Sumitomo Chemical Company, Limited (1976) Evaporation of the Ingredients in a Vape-Mat. (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-D)
63233	Kadota, T.; et al. (19??) Toxicity of Pynamin Forte (I) Acute Oral and Subcutaneous Toxicity in Rats. (Unpublished study received Sep 14, 1978 under 10308-3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:235134-E)
63234	Sumitomo Chemical Company, Limited (19??) Acute Oral, Subcutaneous and Intrapertoneal (sic) Toxicity in Mice. (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-F)
63235	Sumitomo Chemical Company, Limited (19??) Acute Dermal Toxicity of Pynamin Forte and Pynamin. (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-G)
63236	Sumitomo Chemical Company, Limited (19??) Irritation Test of Pynamin Forte and Pynamin on Eyes and Skin in Rabbits. (Unpublished study received Sep 14, 1978 under 235134-H)
63237	Sumitomo Chemical Company, Limited (19??) Allergic Study and Skin Sensitization of Pynamin and Pynamin Forte: Summary. (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-I)

MRID #	Citation
63238	Sumitomo Chemical Company, Limited (19??) Acute Oral Toxicity of a Vape Mat with a Concentrated Insecticidal Solution in Mice and Rats: (Pynamin Forte). (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-J)
63239	Sumitomo Chemical Company, Limited (19??) Subacute Inhalation Study of a Vape Mat in Mice. (Unpublished study received Sep 14, 1978 under 10308-3; CDL:235134-K)
63770	Biosearch, Incorporated (1980) Summary of Results of Acute Toxicity Studies: Project No. 80-2084A. Summary of studies 243724-B through 243724-E. (Unpublished study received Nov 14, 1980 under 1021-1463; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243724-A)
63771	Gabriel, K.L. (1980) Acute Dermal Toxicity LDI50~-Rabbits: Project No. 80-2084A. (Unpublished study received Nov 14, 1980 under 1021-1463; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243724-C)
63772	Gabriel, K.L. (1980) Primary Skin Irritation--Rabbits: Project No. 80-2084A. (Unpublished study received Nov 14, 1980 under 1021-1463; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243724-D)
63773	Gabriel, K.L. (1980) Primary Eye Irritation--Rabbits: Project No. 80-2084-A. (Unpublished study received Nov 14, 1980 under 1021-1463; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243724-E)
63808	Schneider, C.J., Jr. (1978) Product Flammability Study: Calspan Report No. 6315-D-1. Final rept. (Unpublished study received Nov 4, 1980 under 3282-59; prepared by Calspan Corp., submitted by D-Con Co., Inc., Montvale, N.J.; CDL:243752-A)
63809	Cruico, W.J. (1978) Letter sent to Thomas W. Donaldson dated Jan 1980 under 3282-59; prepared by Hazards Research Corp., submitted by D-Con Co., Inc., Montvale, N.J.; CDL:243751-A)
64417	Gabriel, K.L. (1980) Acute Oral LDI50~-Rats: Project No. 80-2084A. (Unpublished study received Nov 14, 1980 under 1021-1463; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243724-B)
64495	Knickerbocker, M. (1980) Letter sent to Frederick J. Preiss dated May 12, 1980: Teratologic evaluation of d-trans Allethrin. (Unpublished study received May 21, 1980 under 1021-1060; prepared by Food and Drug Research Laboratories, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:243871-A)
64496	Kimmel, C.A.; Wilson, J.G. (19??) Skeletal deviations in rats: Mal- formations or variations. ?Without title 8:309-313. (Incomplete; also In unpublished submission received May 21, 1980 under 1021-1060; submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:243871-B)
64646	Meinen, V.J.; Carlson, D.J. (19??) Residue Analysis of Sumithrin(R), Neo-pynamin(R) and Pynamin Forte(R) in Sugar, Butter, Potatoes, Apples, Bread and Meat. Undated method. (Unpublished study received Oct 29, 1980 under 1H5283; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:243803-I)
65392	S.B. Penick & Company (1977) SBP-1382/Bioallethrin Aqueous Pres- surized Spray for House and Garden. Unpublished compilation; 8 p.
66065	Penick Corporation (19??) Confidential Data Sheet for SBP-1382 12% Residual Concentrate: Manufacturing Formula. (Unpublished study received Feb 18, 1977 under 432-543; CDL:228623-H)
66649	Elliott, M.; Farnham, A.W.; Janes, N.F.; et al. (1973) NRDC 143: A more stable pyrethroid. Pages 721-728,~In~Proceedings, 7th British Insecticide and Fungicide Conference. N.P. (Also~In~ unpublished submission received Feb 3, 1977 under 10182-EX-7; submitted by ICI Americas, Inc., Wilmington, Del.; CDL:228608-B)
67065	Mieszala, D.M. (1980) Letter sent to Terry Burke dated Jun 26, 1980 ?PT-576 insect fogger, total release . (Unpublished study re- ceived Nov 3, 1980 under 499-218; prepared by Pittway Corp., submitted by Whitmire Research Laboratories, Inc., St. Louis, Mo.; CDL:244039-B)
67465	Penick Corporation (1974) [Chemistry of an Emulsifier]. Unpublished Compilation; 14 p.

MRID #	Citation
67478	Calsetta, D.R. (1977) Summary of Large Group APS Tests Comparing Similar Formulations of SBP-1382 plus Bioallethrin Manufactured from Two Different Concentrates Using CSMA F58WT Flies and 6 Replicates per Formulation with a Dosage of ca. 3 gms/1000 cu ft per Test. (Unpublished study received Apr 25, 1977 under 432-482; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 231389-B)
67657	Gabriel, K.L. (1976) Primary Skin Irritation Study--Rabbits. (Un- published study received Jun 29, 1978 under 150-39; prepared by Biosearch, Inc., submitted by Anderson Chemical Co., Litchfield, Conn.; CDL:234547-B)
67854	S.C. Johnson and Sons, Incorporated (19??) Product Description: Raid Formula D39 Multi-purpose Bug Killer. (Unpublished study received Nov 12, 1980 under 4822-186; CDL:243698-A)
67855	S.C. Johnson and Sons, Incorporated (1980) Efficacy Data Summary: ?Formula 4463D39 . (Compilation; unpublished study, including published data, received Nov 12, 1980 under 4822-186; CDL: 243698-B)
67859	S.C. Johnson and Sons, Incorporated (19??) New Pyrethroid Insecti- cide SP-S (SP-1103): Data No. 1. (Unpublished study received Aug 1, 1964 under unknown admin. no.; CDL:102925-A)
70125	Farnam Companies, Incorporated (1974) ?Efficacy of Repel-X and Re- pel-X Plus on Livestock and Horses . (Compilation; unpublished study received Mar 5, 1975 under 270-100; CDL:227225-A)
71069	S.C. Johnson & Sons, Incorporated (1981) Raid House and Garden 8: Formula 4957D103-2. (Compilation; unpublished study, including published data, received Feb 19, 1981 under 4822-181; CDL: 244536-A)
71481	Schley, G.; Mitchell, K.; Childs, J. (1980) Special Efficacy--Rice Weevil: File No. E-2230-80. (Unpublished study received Jul 16, 1980 under 1021-1454; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244234-A)
71833	Schley, G.; Childs, J. (1980) Pressurized Spray Efficacy--House Flies: MGK File No. A-1492-80. (Unpublished study received Jan 14, 1981 under 1021-1422; submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:244979-A)
71834	Schley, G. (1980) Aerosol Efficacy--Cockroaches: MGK File No. C- 1324-80. (Unpublished study received Jan 14, 1981 under 1021- 1422; submitted by McLaughlin Gormley King Co., Minneapolis, Minn.; CDL:244980-A)
72257	McLaughlin, Gormley, King Company (1965) ?Description and Toxicity of d-trans Allethrin . (Compilation; unpublished study received Feb 16, 1979 under 1021-1156; CDL:238497-A)
72258	Goetz, W. (1970) Report: WARF Institute No. 0120428. (Unpublished study received Feb 16, 1979 under 1021-1156; prepared by WARF Institute, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:238497-B)
72474	Safer Agro-Chem, Incorporated (1979) Use Data and Shelf Life. (Unpublished study received Apr 28, 1981 under 42697-4; CDL: 244960-A)
72476	Safer Agro-Chem, Incorporated (19??) Phytotoxicity. (Unpublished study received Apr 28, 1981 under 42697-4; CDL:244962-A)
72477	Safer Agro-Chem, Incorporated (19??) Efficacy: Fatty Acid Salts on Algae . (Unpublished study received Apr 28, 1981 under 42697-4; CDL:244963-A)
72478	Safer Agro-Chem, Incorporated (1979?) Product Chemistry. (Un- published study received Apr 28, 1981 under 42697-4; CDL: 244964-A)
72479	Safer Agro-Chem, Incorporated (1978?) Environmental Chemistry. (Unpublished study received Apr 28, 1981 under 42697-4; CDL: 244965-A)
72480	Bottoms, J. (1980) Acute Oral Toxicity: 40 CFR 163.81-1 (Proposed): Laboratory No. 16836. (Unpublished study received Apr 28, 1981 under 42697-4; prepared by Applied Biological Sciences Laboratory, Inc., submitted by Safer Agro-Chem, Jamul, Calif.; CDL: 244966-A)

MRID #	Citation
72481	Bottoms, J. (1980) Acute Dermal Toxicity Study: 40 CFR Part 163, SS163.81-2 Proposed: Laboratory No. 16836. (Unpublished study received Apr 28, 1981 under 42697-4; prepared by Applied Bio- logical Sciences Laboratory, Inc., submitted by Safer Agro- Chem, Jamul, Calif.; CDL:244966-B)
72482	Bottoms, J. (1980) EPA Skin Irritation Test: 40 CFR 163-81.5 (Proposed): Laboratory No. 16836. (Unpublished study received Apr 28, 1981 under 42697-4; prepared by Applied Biological Sciences Laboratory, Inc., submitted by Safer Agro-Chem, Jamul, Calif.; CDL:244966-C)
72483	Bottoms, J. (1980) Eye Irritation Test--EPA: 40 CFR 163.81-4-- Proposed: Laboratory No. 16836. (Unpublished study received Apr 28, 1981 under 42697-4; prepared by Applied Biological Sciences Laboratory, Inc., submitted by Safer Agro-Chem, Jamul, Calif.; CDL:244966-D)
72486	McLaughlin, Gormley, King Company (1980) ?Report: Liquid Efficacy-- Mosquitoes, Centipedes, Cat Fleas, Ants and House Flies]: MGK File No. E-2299-80. (Compilation; unpublished study, including MGK File Nos. E-2242-80-A, E-2279-80, E-2295-80 ..., received Dec 4, 1980 under 1021-1475; CDL:244997-A)
72487	Boyd, J.P. (1980) Evaluation of MGK'S Shampoo Formulation (X-3476- 80) for Control of Fleas and Ticks on Dogs: Project No. 125. (Unpublished study received Dec 8, 1980 under 1021-1468; prepared by P.A.C.E. International, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244996-A)
72504	Schley, G.; Mitchell, K. (1980) Total Release Aerosol--Cat Fleas: MGK File No. E-2301-80. (Unpublished study received Nov 26, 1980 under 1021-1390; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244968-A)
72505	Schley, G. (1981) Pressurized Spray Efficacy--Brown Dog Ticks: MGK File No. E-2308-81. (Unpublished study received Jan 14, 1981 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244984-A)
72506	Schely ?sic], G.; Mitchell, K.; Childs, J.; et al. (1981) Pressurized Spray Efficacy--Black Widow Spiders: MGK File No. E-2309- 81. (Unpublished study received Jan 14, 1981 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244983-A)
72507	Mitchell, K. (1980) Pressurized Spray Efficacy--Cat Fleas: MGK File No. E-2306-80. (Unpublished study received Jan 14, 1981 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244982-A)
72508	Schley, G.; Mitchell, K. (1981) Pressurized Spray Efficacy--Centipedes: MGK File No. E-2307-81. (Unpublished study received Jan 14, 1981 under 1021-1422; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244981-A)
72511	WARF Institute, Incorporated (1974) Report: Acute Oral LD50, Eye Irritation, Skin Irritation, Acute Inhalation: (Raid Flying Insect Killer Formula III): WARF # 4080073. (Unpublished study received Apr 15, 1981 under 4822-141, submitted by S.C. Johnson and Sons, Inc., Racine, Wis.; CDL:244998-A)
73651	WARF Institute, Incorporated (1976) Report: WARF Institute No. 5071443. (Unpublished study received Mar 17, 1976 under 432-536; submitted by Penick Corp., Lyndhurst, N.J.; CDL: 225130-A)
73658	Gabriel, K.L. (1976) Acute Aerosol Inhalation Toxicity Study: TL 1539. (Unpublished study received Jan 19, 1977 under 1021-1026; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:231946-A)
73659	Gabriel, K.L. (1976) Acute Oral Toxicity--Rats: X-3154-76. (Unpublished study received Jan 19, 1977 under 1021-1026; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:231946-D)
74558	McLaughlin Gormley King Company (1979) Report: F-22071 and .5% Diazinon: MGK File No. E-2204-79. (Compilation; unpublished study, including MGK file no. C-127-79, received Dec 2, 1980 under 1021-1466; CDL:244252-A)

MRID #	Citation
74559	Biosearch, Incorporated (1979) Summary of Results of Acute Toxicity Studies: Project No. 79-1773A. Summary of studies 244252-C through 244252-I. (Unpublished study received Dec 2, 1980 under 1021-1466; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-B)
74560	Gabriel, K.L. (1979) Acute Oral Toxicity--LDI50^--Rats: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-C)
74561	Gabriel, K.L. (1979) Acute Dermal Toxicity--LDI50^--Rabbits: Project No. 79.1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-D)
74562	Gabriel, K.L. (1979) Primary Skin Irritation Study--Rabbits: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-E)
74563	Gabriel, K.L. (1979) Acute Inhalation Toxicity--Rats: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-F)
74564	Gabriel, K.L. (1979) Primary Eye Irritation Study--Rabbits: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-G)
74565	Gabriel, K.L. (1979) Guinea Pig Contact Dermal Irritation/Sensitization: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 244252-H)
74566	Gabriel, K.L. (1979) Primary Eye Irritation Study--Rabbits: Project No. 79-1773A. (Unpublished study received Dec 2, 1980 under 1021-1466; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:244252-I)
75496	Horiba, M. (1973) Mosquito Coil Containing Pynamin Forte(R) as an Active Ingredient: KS-00-0003. Includes method dated Nov 1973 entitled: Gas-liquid chromatographic determination of content of Pynamin-Forte(R) in mosquito coils. (Unpublished study received Sep 29, 1980 under 10308-3; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:243373-A)
75497	Sumitomo Chemical Company, Limited (1973) (Test Results on the Insecticidal Efficacy of Mosquito Coil Containing Pynamin-Forte as an Active Ingredient): KE-30-0014. (Compilation; unpublished study, including KE-30-0015, KE-30-0016, KE-41-0017..., received Sep 29, 1980 under 10308-3; CDL:243373-B)
75498	Miyamoto, J.; Kadota, T. (1974) Acute Oral Toxicity of Mosquito Coils Containing Pynamin Forte(R) in Rats: KT-40-0029. (Unpublished study received Sep 29, 1980 under 10308-3; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:243373-C)
75499	Miyamoto, J.; Kadota, T. (1973) Acute Oral Toxicity of Mosquito Coils Containing Pynamin Forte(R) in Mice: KT-30-0030. (Unpublished study received Sep 29, 1980 under 10308-3; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:243373-D)
75500	Kadota, T.; Kohda, H.; Miyamota, J. (1974) Subacute Inhalation Toxicity of Mosquito Coils Containing 0.3% Pynamin Forte(R) in Mice and Rats: KT-40-0031. (Unpublished study received Sep 29, 1980 under 10308-3; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:243373-E)
75983	McLaughlin Gormley King Company (1978) McLaughlin Gormley King Multicide(R) Products Containing Sumithrin(R), Neo-pynamin(R) and Pynamin Forte(R) Pyrethroids. Interim technical bull., Mar 1978. (Also In unpublished submission received Apr 21, 1978 under 1021-1356; CDL:233505-A)

MRID #	Citation
77145	Biosearch, Incorporated (1981) Summary of Results of Acute Toxicity Studies: Project No. 81-2354A. Summary of studies 245439-B through 245439-E. (Unpublished study received Jun 15, 1981 under 1021-1492; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-A)
77146	Gabriel, K.L. (1981) Acute Oral Toxicity LDI50--Rats: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-B)
77147	Gabriel, K.L. (1981) Acute Dermal Toxicity LDI50--Rabbits: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-C)
77148	Gabriel, K.L. (1981) Primary Skin Irritation--Rabbits: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-D)
77149	Gabriel, K.L. (1981) Primary Eye Irritation--Rabbits: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-E)
77150	Biosearch, Incorporated (1981) Summary of Results of Acute Toxicity Studies: Project No. 81-2354A. Summary of studies 245439-G and 245439-H. (Unpublished study received Jun 15, 1981 under 1021-1492; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-F)
77151	Gabriel, K.L. (1981) Guinea Pig Contact Dermal Irritation/Sensitization--Buehler Method: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Bio- search, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-G)
77152	Gabriel, K.L. (1981) Acute Inhalation Toxicity--Rats: Project No. 81-2354A. (Unpublished study received Jun 15, 1981 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-H)
77153	Gerberg, E.J. (1980) Field Tests of F-2244 and F-2245 against the Yellow Jacket--Vespula maculifrons; the Bald-faced Hornet-- Vespula maculata; the Paper Wasp--Polistes exclamans. (Unpublished study received Jun 15, 1981 under 1021-1492; pre- pared by Insect Control & Research, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:245439-I)
77311	Gabriel, K.L. (1979) Primary Skin Irritation Study--Rabbits: Project No. 78-1538A. (Unpublished study received Nov 12, 1980 under 11525-40; prepared by Biosearch, Inc., submitted by Peterson Puritan, Inc., Danville, Ill.; CDL:243898-C)
78624	Knickerbocker, M.; Re, T.A. (1979) Teratologic Evaluation of D- trans Allethrin in Sprague-Dawley Rats: Laboratory No. 6059. (Unpublished study received May 17, 1979 under 1021-1060; prepared by Food and Drug Research Laboratories, Inc., submitted by Chevron Chemical Co., Richmond, Calif.; CDL:238638-A)
78814	S.C. Johnson & Son, Incorporated (1981) Raid, Formula 5249 Multi- purpose Bug Killer: Efficacy Data. (Unpublished study received Jun 16, 1981 under 4822-183; CDL:245553-A)
81080	Malone, J.C.; Chesher, B.C. (1970) Toxicity of Bioallethrin/NRDC 107 Crawling Insect Killer Aerosol Spray to Canaries and Budgerigars: Report Series B No. 211-70. (Unpublished study received Jun 9, 1972 under 279-2914; prepared by Wellcome Foundation, Ltd., submitted by FMC Corp., Philadelphia, Pa.; CDL:002527-D)
83031	Rohm and Haas Company (19??) Nonylphenoxyethanol (NPE) Surfactants. Philadelphia, Pa.: Rohm and Haas. (CS-50 B/ci).
83750	McLaughlin, Gormley, King Company (1980) Laboratory Report. (Compilation; unpublished study received Dec 2, 1980 under 1021- 1466; CDL:244252-J)

MRID #	Citation
84046	Vercoe, R.R.; Malone, J.C. (1969) Dermal Irritancy of Pyrethroids and Piperonyl Butoxide to Rabbits: Report Series B No. 47-69. (Unpublished study received Jan 5, 1976 under 1021-24; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 221987-B)
84051	Vercoe, R.R.; Malone, J.C. (1970) Inhalation and Dermal Toxicity of Bioallethrin/Piperonyl Butoxide and Pybathrin Aerosol Formulations to Canaries and Budgerigars: Report Series B No. 82-70. (Unpublished study received Jan 5, 1976 under 1021-24; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 221987-L)
84070	Verschöyle, R.D.; Barnes, J.M. (1972) Toxicity of natural and synthetic pyrethrins to rats. Pesticide Biochemistry and Physiology 2:308-311. (Also In unpublished submission received Jan 5, 1976 under 1021-24; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221987-AO)
84073	Mauck, B.; Oleon, L.E. (1972) Annual Progress Report: 1972. (U.S. Fish and Wildlife Service, Fish-Pesticide Research Unit; unpublished study; CDL:221987-AR)
85473	Vercoe, R.R.; Malone, J.C. (1969) Dermal Irritancy of Pyrethroids and Piperonyl Butoxide to Rabbits: Report Series B No. 47-69. (Unpublished study received Dec 29, 1975 under 1021-974; prepared by Wellcome Foundation, Ltd., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221983-I)
85478	Ingle, L. (1971) Oral and Dermal Toxicity of TL-192 and TL-193. (Unpublished study, including letter dated May 25, 1971 from G.J. Baker to Les Ingle, received Dec 29, 1975 under 1021-974; prepared by Univ. of Illinois, Dept. of Zoology, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 221983-AE)
85479	Ingle, L. (1971) Mist Chamber Tests of Aerosols. (Unpublished study, including letter dated Mar 18, 1966 from L. Ingle to Griff. Baker, received Dec 29, 1975 under 1021-974; prepared by Univ. of Illinois, Dept. of Zoology, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221983-AF)
85480	Taylor, R.E. (1973) Acute Oral Toxicity (LDI50 [^]). (Unpublished study received Dec 29, 1975 under 1021-974; prepared by Harris Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221983-AG)
85481	Taylor, R.E. (1973) Acute Dermal Toxicity Test. (Unpublished study received Dec 29, 1975 under 1021-974; prepared by Harris Laboratories, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221983-AH)
85482	Ingle, L. (1972) Toxicity of Formulations TL-380, TL-381, TL-382, and TL-383. (Unpublished study received Dec 29, 1975 under 1021-974; prepared by Univ. of Illinois, submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:221983-AI)
87578	Biosearch, Incorporated (1981) Summary of Results of Acute Toxicity Studies: Project No. 81-2544A. Summary of studies 246449-B through 246449-E. (Unpublished study received Aug 31, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246449-A)
87579	Gilman, M.R.; Costello, B.A. (1981) Acute Oral Toxicity LDI50 [^] -- Rats: Project No. 81-2544A. (Unpublished study received Aug 31, 1981 under 1021-1486; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL: 246449-B)
87580	Gilman, M.R.; Costello, B.A. (1981) Primary Skin Irritation-- Rabbits: Project No. 81-2544A. (Unpublished study received Aug 31, 1981 under 1021-1486; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246449-C)
87581	Gilman, M.R.; Costello, B.A. (1981) Primary Eye Irritation-- Rabbits: Project No. 81-2544A. (Unpublished study received Aug 31, 1981 under 1021-1486; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246449-D)
87582	Gilman, M.R.; Costello, B.A. (1981) Acute Dermal Toxicity--Rabbits: Project No. 81-2544A. (Unpublished study received Aug 31, 1981 under 1021-1486; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246449-E)

MRID #	Citation
87583	Mitchell, K.; Childs, J. (1981) Total Release Aerosol--Sowbugs: MGK File No. E-2327-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246450-A)
87584	Mitchell, K.; Childs, J. (1981) Total Release Aerosol--Cat Fleas: MGK File No. E-2322-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246451-A)
87585	Mitchell, K.; Childs, J.; Schley, G. (1981) Total Release Aerosol-- Brown Dog Ticks: MGK File No. E-2328-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246452-A)
87586	Mitchell, K.; Schley, G.; Child, J. (1981) Total Release Aerosol-- German Cockroaches: MGK File No. C-1347-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246453-A)
87587	Mitchell, J.; Childs, J. (1981) Total Release Aerosol: Centipedes: MGK File No. E-2338-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246454-A)
87588	Schley, G.; Mitchell, K. (1981) Total Release Aerosol--Stored Product Pests: MGK File No. E-2319-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246455-A)
87589	Mitchell, K.; Childs, J. (1981) Total Release Aerosol--Crickets: MGK File No. E-2325-81. (Unpublished study received Jun 17, 1981 under 1021-1486; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246456-A)
87641	Penick Corporation (1974) [Chemistry of SBP-1382 and inerts]. Unpublished compilation; 5 p.
87642	Penick Corporation (1973) Specifications for SBP-1382 40% Oil Base Concentrate in Comparison with Other Chemicals]. (Compilation; unpublished study received Jun 21, 1974 under 432-536; CDL:022998-B)
87643	CPC International (19??) Analysis of Bioallethrin and SBP 1382 in Solutions and Emulsifiable Concentrates. (Unpublished study received Jun 21, 1974 under 432-536; submitted by Penick Corp., Lyndhurst, N.J.; CDL:022998-C)
87646	Penick Corporation (1974) Efficacy of SBP-1382]. (Compilation; unpublished study received Jun 21, 1974 under 432-536; CDL: 022998-F)
87737	Biosearch, Incorporated (1981) Summary of Results of Acute Toxicity Studies: Project No. 80-2299A. Summary of studies 246445-B through 246445-H. (Unpublished study received Apr 27, 1981 under 1021-1480; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-A)
87738	Gabriel, K.L. (1981) Acute Oral Toxicity LD ₅₀ --Rats: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-B)
87739	Gabriel, K.L. (1981) Acute Dermal Toxicity LD ₅₀ --Rabbits: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-C)
87740	Gabriel, K.L. (1981) Primary Skin Irritation--Rabbits: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-D)
87741	Gabriel, K.P. (1981) Primary Eye Irritation--Rabbits: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-E)
87742	Gabriel, K.L. (1981) Primary Skin Irritation--Rabbits: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-F)

MRID #	Citation
87743	Gabriel, K.L. (1981) Guinea Pig Contact Dermal Irritation/Sensitization--Buehler Method: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Bio- search, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-G)
87744	Gabriel, K.L. (1981) Acute Inhalation Toxicity--Rats: Project No. 80-2299A. (Unpublished study received Apr 27, 1981 under 1021-1480; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:246445-H)
87980	Pauley, R.W. (1973) Report: WARF Institute No. 3061422-4. (Unpublished study received Jan 21, 1974 under 1021-1297; prepared by WARF Institute, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:024336-A)
88439	Penick Corporation (1971) Efficacy of SBP-1382/Bioallethrin Aqueous Pressurized Spray . (Compilation; unpublished study received Apr 12, 1974 under 432-482; CDL:022994-A)
88443	Neal, F.C.; Mann, G.; Butler, J.F. (19??) Toxicity Trials of SBP-1382 in Cats and Dogs. Prelim. rept. (Unpublished study received Apr 12, 1974 under 432-482; prepared by Univ. of Florida, Institute of Food and Agricultural Sciences, Dept. of Veterinary Science, submitted by Penick Corp., Lyndhurst, N.J.; CDL:022994-E)
90508	Sumitomo Chemical Company, Limited (19??) Pynamin Forte(R) (d- cis, trans Allethrin: Physical and Chemical Properties). (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-A)
90509	Sumitomo Chemical Company, Limited (1972) Quantitative Analysis of Technical Grade Pynamin Forte(R). (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-B)
90510	Sumitomo Chemical Company, Limited (19??) Stability of Pynamin Forte. (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-C)
90511	Sumitomo Chemical Company, Limited (1938?) (Insecticidal Efficacy of Pynamin Forte). (Compilation; unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-D)
90512	Kadota, T.; et al. (19??) Toxicity of Pynamin Forte: (I) Acute Oral and Subcutaneous Toxicity in Rats. (Unpublished study received Jun 13, 1978 under 10308-3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:234587-E)
90513	Sumitomo Chemical Company, Limited (19??) Acute Oral, Subcutaneous and Intraperitoneal Toxicity of Pynamin Forte in Mice. (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-F)
90514	Sumitomo Chemical Company, Limited (19??) Toxicity of Pynamin Forte: (III) Acute Oral and Subcutaneous Toxicity in Mice. (Un- published study received Jun 13, 1978 under 10308-3; CDL: 234587-G)
90515	Sumitomo Chemical Company, Limited (19??) Acute Dermal Toxicity of Pynamin Forte and Pynamin. (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-H)
90516	Kadota, T. (19??) 90-day Subacute Toxicity Study of Pynamin Forte on Rats. (Unpublished study received Jun 13, 1978 under 10308- 3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:234587-I)
90519	Nishimura, M.; Yamauchi, T. (1972) Inhalation Toxicity of Pynamin Forte. (Unpublished study received Jun 13, 1978 under 10308-3; prepared by Tokyo Dental Univ., Japan, submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:234587-L)
90520	Kadota, T.; et al. (19??) Acute Inhalation Toxicity of Pynamin Forte and Pynamin in Mice and Rats. (Unpublished study received Jun 13, 1978 under 10308-3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:234587-M)
90523	Sumitomo Chemical Company, Limited (19??) Irritation Tests of Pynamin Forte and Pynamin on Eye and Skin of Rabbits. (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-P)
90524	Sumitomo Chemical Company, Limited (19??) Skin Sensitization Study of Pynamin and Pynamin Forte. (Unpublished study received Jun 13, 1978 under 10308-3; CDL:234587-Q)

MRID #	Citation
90525	Elliott, M.; Janes, N.F.; Kimmel, E.C.; et al. (1972) Metabolic fate of pyrethrin I, pyrethrin II, and allethrin administered orally to rats. Journal of Agricultural and Food Chemistry 20 (2):300-313. (Also~In~unpublished submission received Jun 13, 1978 under 10308-3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, Md.; CDL:234587-S)
94666	Cole, J.H. (1975) A Comparison of the Efficacy of Two Mosquito Coil Formulations: SM043/B/75928. (Unpublished study received Apr 21, 1981 under 3060-5; prepared by Huntingdon Research Centre, England, submitted by Kotake Co., Ltd.; Honolulu, Hawaii; CDL:246728-A)
94841	McLaughlin, Gormley, King Company (1980) Laboratory Report: (for MGK 264, Esbiothrin and Piperonyl Butoxide by GLC). (Compilation; unpublished study received Dec 15, 1980 under 1021-1471; CDL:246796-A)
94842	McLaughlin, Gormley, King Company (1980) Report: Aerosol Efficacy: Houseflies and Cockroaches . (Compilation; unpublished study, including MGK file nos. A-1485-80, C-1265-79-II, A-1438-79-II, received Dec 15, 1980 under 1021-1471; CDL:246796-B)
95834	Preiss, F.J. (1980) Letter sent to F.D.R. Gee dated May 6, 1980: Multicide^(R)I Intermediate 2221, John Doe label--professional strength. (Unpublished study received May 12, 1980 under 1021- 1426; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:242596-A)
97429	Biosearch, Incorporated (1981) Summary of Results of Acute Toxicity Studies: Project No. 81-2354A. Summary of studies 247020-B through 247020-E. (Unpublished study received Dec 21, 1981 under 1021-1487; submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:247020-A)
97430	Gabriel, K.L. (1981) Acute Inhalation Toxicity--Rats: Project No. 81-2354A. (Unpublished study received Dec 21, 1981 under 1021-1487; prepared by Biosearch, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:247020-H)
98050	Schley, G.; Childs, J.; Mitchell, K. (1981) Total Release Aerosol Efficacy--Cat Fleas: MGK File No. E-2402-81. (Unpublished study received Mar 29, 1982 under 239-2484; prepared by McLaughlin Gormley King Co., submitted by Chevron Chemical Co., Richmond, Calif.; CDL:247131-A)
99079	McLaughlin, Gormley, King Company (1981) ?Efficacy Studies of Aerosol Insecticides . (Compilation; unpublished study, includ- ing MGK file nos. E-2351-81, E-2352-81, E-2353-81..., received Jul 29, 1981 under 1021-1496; CDL:246442-A)
100255	McLaughlin, Gormley, King Company (1975) D-trans Allethrin. (Un- published study received Oct 4, 1978 under 1021-24; CDL: 236569-A)
100257	Harris, D.L. (1977) Report: WARF Institute No. 6120164. (Unpub- lished study received Oct 4, 1978 under 1021-24; prepared by WARF Institute, Inc., submitted by McLaughlin, Gormley, King Co., Minneapolis, Minn.; CDL:236569-C)
100258	McLaughlin, Gormley, King Company (1978) ?Efficacy of Black Flag Insecticides on Arbovitae and Other Plants . (Compilation; un- published study received Oct 4, 1978 under 1021-24; CDL: 236569-D)
103117	McLaughlin, Gormley, King Co. (1981) ?Efficacy of Formulations X-3438-80, X-3441-80 and OTI Tested on Various Insects . (Com- pilation; unpublished study received Jul 29, 1981 under 1021-1480; CDL:246446-A)
105880	Oxford Chemicals (1969) [Composition of Oxford Super Fog and De- termination of inert ingredient and/or Allethrins in Pesticide Formulations]. Unpublished compilation; 2 p.
105883	Starr, D.; Ferguson, P.; Balmon, T. (1950) The Toxicity of n-Octyl Sulfoxide of Isosafrole. (Unpublished study received Jan 26, 1965 under unknown admin. no.; prepared in cooperation with Hunter College, submitted by Penick Corp., Lyndhurst, NJ; CDL: 003295-B)
105952	McLaughlin Gormley King Co. (1981) ?Efficacy of Various Insecticide Formulations . (Compilation; unpublished study received Jul 29, 1981 under 1021-1497; CDL:246444-A)

MRID #	Citation
105953	McLaughlin Gormley King Co. (1978) ?Efficacy of Various Insecticide Formulations on Flies and Other Insects . (Compilation; unpublished study received Jul 23, 1981 under 1021-1495; CDL: 246458-A)
107241	Hartz Mountain Corp. (1978) ?Evaluation of Insecticidal Aerosol Sprays . (Compilation; unpublished study received Oct 5, 1978 under 2596-70; CDL:235296-E)
107242	Levenstein, I. (1978) ?Toxicity of 3 Aerosol Cans # 2671 to Rats : Assay No. 810268. (Unpublished study received Oct 5, 1978 under 2596-69; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235297-A)
107243	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 810284. (Unpublished study received Oct 5, 1978 under 2596-69; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235297-B)
107244	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810285. (Unpublished study received Oct 5, 1978 under 2596-69; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235297-C)
107245	Levenstein, I. (1978) ?Toxicity of 1 Bottle White Solution #2718 to Rats : Assay No. 810286. (Unpublished study received Oct 5, 1978 under 2596-69; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235297-D)
107246	Hartz Mountain Corp. (1978) ?Evaluation of Insecticidal Aerosol Compounds against Fleas and Ticks . (Compilation; unpublished study received Oct 5, 1978 under 2596-69; CDL:235297-E)
107247	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810270. (Unpublished study received Oct 5, 1978 under 2596-71; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235298-A)
107248	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 810269. (Unpublished study received Oct 5, 1978 under 2596-71; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235298-B)
107249	Levenstein, I. (1978) ?Toxicity of 1 Bottle Green Solution #2681 to Rats : Assay No. 810271. (Unpublished study received Oct 5, 1978 under 2596-71; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235298-C)
107250	Balok, J.; Sonenshine, D. (1978) Evaluation of Two Insecticidal Shampoos against Cat Fleas, Ctenocephalides felis, and Brown Dog Ticks, Rhipicephalus Sanguineus, on Dogs: File #339. Final rept. (Unpublished study received Oct 5, 1978 under 2596-71; prepared by Environmental Consultants, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235298-D)
107251	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810273. (Unpublished study received Oct 5, 1978 under 2596-72; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235299-A)
107252	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: Assay No. 810272. (Unpublished study received Oct 5, 1978 under 2596-72; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235299-B)
107253	Levenstein, I. (1978) ?Toxicity of 1 Bottle Green Solution #2682 to Rats : Assay No. 810274. (Unpublished study received Oct 5, 1978 under 2596-72; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235299-C)

MRID #	Citation
107254	Balok, J.; Sonenshine, D. (1978) Evaluation of Two Insecticidal Shampoos against Cat Fleas, <i>Ctenocephalides felis</i> , and Brown Dog Ticks, <i>Rhipicephalus sanguineus</i> , on Dogs: File #339. Final rept. (Unpublished study received Oct 5, 1978 under 2596-72; prepared by Environmental Consultants, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235299-D)
107255	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method De- scribed: Assay No. 810275. (Unpublished study received Oct 5, 1978 under 2596-73; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235301-A)
107256	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810276. (Unpublished study received Oct 5, 1978 under 2596- 73; prepared by Leberco Laboratories, submitted by Hartz Moun- tain Corp., Harrison, NJ; CDL:235301-B)
107257	Levenstein, I. (1978) ?Toxicity of 1 Bottle White Fluid #2700 to Rats : Assay No. 810277. (Unpublished study received Oct 5, 1978 under 2596-73; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235301-C)
107258	Balok, J.; Sonenshine, D. (1978) Evaluation of Two Insecticidal Formulations of Hartz Luster Bath against Cat Fleas, <i>Ctenocephalides felis</i> , and Brown Dog Ticks, <i>Rhipicephalus sanguineus</i> , on Dogs: File #339. Final rept. (Unpublished study received Oct 5, 1978 under 2596-73; prepared by Environmental Consultants, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL: 235301-D)
107311	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method De- scribed: Assay No. 810278. (Unpublished study received Oct 5, 1978 under 2596-75; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235302-A)
107312	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810279. (Unpublished study received Oct 5, 1978 under 2596-75; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235302-B)
107313	Levenstein, I. (1978) ?Acute Oral Test on Rats : Assay No. 810280. (Unpublished study received Oct 5, 1978 under 2596-75; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235302-C)
107314	Balok, J.; Sonenshine, D. (1978) Evaluation of Two Formulations of Hartz Luster Bath against Cat Fleas ... and Brown Dog Ticks ... on Cats: File #337. Final rept. (Unpublished study re- ceived Oct 5, 1978 under 2596-75; prepared by Environmental Consultants, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235302-D)
107315	Balok, J.; Sonenshine, D. (1978) Evaluation of Two Insecticidal Formulations of Hartz Luster Bath against Cat Fleas ... and Brown Dog Ticks ... on Dogs: File #339. Final rept. (Unpub- lished study received Oct 5, 1978 under 2596-76; prepared by Environmental Consultants, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235303-D)
107316	Levenstein, I. (1978) ?Acute Inhalation Test on Rats : Assay No. 810267. (Unpublished study received Oct 5, 1978 under 2596-67; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235304-A)
107317	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method De- scribed: Assay No. 810281. (Unpublished study received Oct 5, 1978 under 2596-67; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235304-B)
107318	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: Assay No. 810282. (Unpublished study received Oct 5, 1978 under 2596-67; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235304-C)

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107319	Levenstein, I. (1978) ?Acute Test on Rats : Assay No. 810283. (Unpublished study received Oct 5, 1978 under 2596-67; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:235304-D)
107320	Hartz Mountain Corp. (1978) ?Efficacy of Compounds #2670 and #2673 . (Compilation; unpublished study received Oct 5, 1978 under 2596-67; CDL:235304-E)
107321	Hartz Mountain Corp. (1978) ?Efficacy of Compounds #2670 and #2673 . (Compilation; unpublished study received Oct 5, 1978 under 2596-68; CDL:235305-E)
107515	Ingle, L. (1971) Formulations MGK. TL-192 and TL-193. (Unpub- lished study received Jul 14, 1971 under 1021-1130; prepared by Univ. of Illinois at Urbana-Champaign, submitted by McLaugh- lin Gormley King Co., Minneapolis, MN; CDL:005335-C)
107529	McLaughlin Gormley King Co. (1972) ?Efficacy of TL-415 and F-1871 on Roaches and Other Insects . (Compilation; unpublished study received Nov 1, 1972 under 1021-1241; CDL:008591-A)
107531	Farnam Companies, Inc. (1973) ?Housefly Control on Horses . (Com- pilation; unpublished study received Dec 14, 1973 under 270- 100; CDL:008869-A)
107539	McLaughlin Gormley King Co. (1973) MGK Intermediate 1968 with S- bioallethrin and John Doe Label. (Compilation; unpublished study received Jun 15, 1973 under 1021-1241; CDL:005369-A)
107579	ATI Research Center (1970) ?Chemistry Data on Ninol AA62 and Other Chemicals . (Compilation; unpublished study received Jun 11, 1971 under 5590-139; CDL:023402-A)
107581	McLaughlin Gormley King Co. (1973) Aerosol: ?TL-610, TL-611, TL- 612, TL-613, TL-614, and TL- 615 . (Unpublished study received Apr 7, 1973 under 1021-1243; CDL:024363-A)
107582	McLaughlin Gormley King Co. (19??) Toxicology: ?Bioallothrin . (Compilation; unpublished study received Nov 1, 1972 under 1021- 1127; CDL:024381-B)
107594	Bucknam & Archer (1972) ?Efficacy--Vape Mat . (Compilation; unpub- lished study received Jul 29, 1974 under 8842-1; CDL:026527-A)
107606	S.C. Johnson & Son, Inc. (1974) Modified Raid House & Garden 3656D63-1. (Unpublished study received Jun 27, 1974 under 4822- 132; CDL:028572-A)
107608	Glomot, R.; Chevalier, B. (1972) Etude de la Toxicite Aigue par Voie Orale Chez le Rat Femelle. (Unpublished study received Jan 22, 1973 under 1021-1185; prepared by Produits Chimiques Industriels et Agricoles, Fr., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:050274-A)
107615	United States Testing Co., Inc. (1973) Aerosol Safety Closure Test: Seaquist Kindergard Model II: Research Report USTC #75551. (Unpublished study received Aug 30, 1973 under 3282-27; submit- ted by D-Con Co., Inc., Montvale, NJ; CDL:050515-A)
107622	WARF Institute, Inc. (1974) Report: WARF No. 4080073. (Unpub- lished study received Oct 16, 1974 under 4822-141; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:050821-A)
107629	Taylor, R. (1973) Acute Oral Toxicity (LD50): ?X-2721-2--Rats . (Unpublished study received Apr 19, 1973 under 1021-1237; pre- pared by Harris Laboratories, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051002-A)
107630	Ingle, L. (1973) Oral LD-50 of TL-382 and TL-383. (Unpublished study received Apr 10, 1973 under 1021-1242; submitted by Mc- Laughlin Gormley King Co., Minneapolis, MN; CDL:051006-A)
107631	McLaughlin Gormley King Co. (19??) Determination de la Dose Lethale 50%. (Unpublished study received Apr 10, 1973 under 1021-1242; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 051006-C)
107632	Ingle, L. (1973) ?Toxicity of TL-382 and TL-383--Rats . (Unpub- lished study received Apr 10, 1973 under 1021-1242; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051006-D)
109687	McLaughlin Gormley King Co. (1982) ?Toxicity of MGK Intermediate F-2320: Tests with Various Animals : Project No. 81-2840A. (Compilation; unpublished study received Apr 14, 1982 under 1021- 1510; CDL:248110-A)

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109688	McLaughlin Gormley King Co. (1982) Summary of Results of Acute Toxicity Studies: Biosearch, Inc. Project No. 81-2840A. (Compilation; unpublished study received Apr 14, 1982 under 1021-1510; CDL:248111-A)
109922	Sugihara Trading of California, Inc. (19??) Inhalation Toxicity Test Result of Vape Mat against Rats. (Unpublished study received Jul 23, 1969 under 10468-1; CDL:110508-A)
109956	McLaughlin Gormley King Co., Inc. (1973) S-Bioallethrin-esbiol. Minneapolis, MN: MGK. (Interim technical bulletin, Sep; also in unpublished submission received Jul 18, 1974 under 1021-1243; CDL:221199-A)
110040	Boyle-Midway, Inc. (1971) Efficacy of Black Flag Super Spray House and Garden Insect Killer. (Compilation; unpublished study received Jan 2, 1979 under 475-210; CDL:237306-B)
110041	Boyle-Midway, Inc. (1978) Chemistry Data on Black Flag Professional Power House and Garden Insect Killer. (Compilation; unpublished study received Jan 2, 1979 under 475-209; CDL:237308-A)
110048	Harris, D. (1977) Report: WARF Institute No. 6120164. (Unpublished study received Oct 4, 1978 under 475-190; submitted by Boyle-Midway, Inc., Cranford, NJ; CDL:236532-A)
110055	Hemsarh, L. (1978) Black Flag Indoor Fogger: Exp. #3-256. (Unpublished study received Sep 15, 1978 under 475-193; submitted by Boyle-Midway, Inc., Cranford, NJ; CDL:235155-A)
111968	Kretchmar, B. (1973) Report to McLaughlin Gormley King Company: Acute Oral Toxicity Studies with Three Samples in Albino Rats: IBT No. 601-02786. (Unpublished study received Nov 7, 1973 under 2596-46; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Hartz Mountain Corp., Harrison, NJ; CDL: 010076-C)
111972	Ingle, L. (1971) Oral and Dermal Toxicity of TL-192 and TL-193. (Unpublished study received Aug 6, 1971 under 1021-1060; prepared by Univ. of Illinois, Dept. of Zoology, submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:100544-A)
111986	Gabriel, K. (1979) Acute Inhalation Toxicity--Rats: Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-A)
111987	Gabriel, K. (1979) Guinea Pig Contact Dermal Irritation/Sensitization: Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-B)
111988	Gabriel, K. (1979) Acute Dermal Toxicity--Rabbits: (TL-1998): Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-C)
111989	Gabriel, K. (1979) Primary Skin Irritation Study--Rabbits: Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-D)
111990	Gabriel, K. (1979) Primary Eye Irritation Study--Rabbits: Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-E)
111991	Gabriel, K. (1979) Acute Oral Toxicity--Rats: Project No. 78-1490A. (Unpublished study received Mar 6, 1979 under 1021-1383; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:237886-F)
119266	Boyle-Midway, Inc. (1979) Efficacy Test Report (Fleas and Ticks): Black Flag Automatic Room Fogger--Formula S. (Compilation; unpublished study received Jan 18, 1979 under 475-211; CDL: 237307-A)
120913	Gabriel, K. (1979) Primary Skin Irritation Study--Rabbits: McLaughlin Gormley King Company TL-1933: Project No. 78-1538A. (Unpublished study received Jan 30, 1979 under 475-211; prepared by Biosearch, Inc., submitted by Boyle-Midway, Inc., Cranford, NJ; CDL:237307-D)

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120914	Gabriel, K. (1979) Acute Dermal Toxicity--Rabbits: ?McLaughlin Gormley King Co. TL-1933 : Project No. 78-1538A. (Unpublished study received Jan 30, 1979 under 475-211; prepared by Bio- search, Inc., submitted by Boyle-Midway, Inc., Cranford, NJ; CDL:237307-E)
121251	Gabriel, K. (1978) Acute Dermal Toxicity--Rabbits: Project No. 78- 1172A. (Unpublished study received Apr 18, 1978 under 1021- 1385; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:233470-C)
121252	Gabriel, K. (1978) Primary Skin Irritation Study--Rabbits: Project No. 78-1172A. (Unpublished study received Apr 18, 1978 under 1021-1385; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:233470-D)
121253	Gabriel, K. (1978) Primary Eye Irritation Study--Rabbits: Project No. 78-1172A. (Unpublished study received Apr 18, 1978 under 1021-1385; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:233470-E)
121254	Gabriel, K. (1978) To Assess the Contact Dermal Irritation/Sensi- tization Potential of X-3240-78 on Guinea Pigs: Project No. 78- 1172-A. (Unpublished study received Apr 18, 1978 under 1021- 1385; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:233470-G)
121644	Penick Corp. (1969) ?Chemical Study: SBP-1382/Bioallethrin 7.5-5 Concentrate . (Compilation; unpublished study received Apr 2, 1973 under 432-524; CDL:003314-A)
121645	Penick Corp. (1970?) Summary of Toxicology Reports for SBP-1382/ Bioallethrin Concentrate 10- 7.5. (Unpublished study received Apr 2, 1973 under 432-524; CDL:003314-B)
121646	Penick Corp. (1969) ?Chemical Study: BioPen-1382 Aqueous Pressur- ized Spray . (Compilation; unpublished study received Oct 30, 1970 under 432-482; CDL:003340-A)
121647	Levenstein, I. (1970) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: ?SBP-1382/Bio- allethrin : Assay No. 09351. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, sub- mitted by Penick Corp., Lyndhurst, NJ; CDL:003340-B)
121648	Levenstein, I. (1970) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits: ?SBP-1382/Bioallethrin : Assay No. 09352. (Unpublished study received Oct 30, 1970 under 432- 482; prepared by Leberco Laboratories, submitted by Penick Corp., Lyndhurst, NJ; CDL:003340-C)
121650	Wolven, A.; Levenstein, I. (1970) To Determine the Oral LD50 in Fasted Rats of the Test Material As Submitted: ?SBP-1382/Bio- allethrin : Assay No. 09339. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Laboratories, sub- mitted by Penick Corp., Lyndhurst, NJ; CDL:003340-E)
121651	Wolven, A.; Levenstein, I. (1970) ?Toxicity Study: SBP-1382/Bioal- lethrin to Guinea Pigs : Assay No. 09353. (Unpublished study received Oct 30, 1970 under 432-482; prepared by Leberco Labora- tories, submitted by Penick Corp., Lyndhurst, NJ; CDL:003340-F)
121652	Penick Corp. (1970) ?SBP-1382 + Bioallethrin Efficacy on Roses and Other Vegetation . (Compilation; unpublished study received Oct 30, 1970 under 432-482; CDL:003340-G)
121653	Penick Corp. (1969) ?Chemical Study: SBP-1382 40% Oil Base Concen- trate . (Compilation; unpublished study received Apr 1, 1971 under 432-486; CDL:003341-A)
121654	Penick Corp. (1970) ?Efficacy of SBP-1382 + Bioallethrin against Selected Insects . (Compilation; unpublished study received Apr 1, 1971 under 432-486; CDL:003341-G)
121655	Penick Corp. (1972) ?Chemical Study: Bioallethrin and SBP-1382 in Aqueous Pressurized Sprays . (Compilation; unpublished study received Aug 9, 1972 under 432-507; CDL:003358-A)
121656	Penick Corp. (1972) ?SBP-1382 + Bioallethrin Efficacy on White Pine and Other Selected Vegetation . (Compilation; unpublished study received Aug 9, 1972 under 432-507; CDL:003358-G)

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121657	Schley, G. (1979) Total Release Aerosol Efficacy: Brown Dog Ticks: MKG File No. E-2178-79. (Unpublished study received Jun 7, 1979 under 1021-1390; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:238649-A)
121658	S.C. Johnson and Sons, Inc. (1979) Raid Yard Guard Outdoor Fogger II: Formula 4719D38-2: Chemical Data. (Compilation; unpublished study received Sep 18, 1979 under 4822-161; CDL:241022-A)
122327	Gabriel, K. (1978) Acute Oral Toxicity--Rats: Project No. 78-1172A. (Unpublished study received Apr 18, 1978 under 1021-1385; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:233470-F)
122479	Penick Corp. (1970) Summary of Toxicology Reports for SBP-1382/Bioallethrin Concentrate 1.0-0.75. (Unpublished study received Nov 6, 1972 under 432-511; CDL:003361-B)
122480	U.S. Agricultural Research Service (1970) ?Efficacy of Allethrin on Selected Insects . (Compilation; unpublished study received Nov 30, 1970 under 11312-4; CDL:004828-A)
122481	Douglas Veterinary Products, Inc. (19??) Tests of Efficacy: ?Summer Itch Emulsion--Dogs . (Compilation; unpublished study received Jan 13, 1971 under 11466-1; CDL:004838-A)
122482	Douglas Veterinary Products, Inc. (19??) Animal Spray Tests (Vet. Supervised) (Dogs): ?Summer Itch Emulsion . (Unpublished study received Jan 13, 1971 under 11466-1; CDL:004838-B)
122483	Douglas Veterinary Products, Inc. (19??) Complete Emersion Tests: ?Summer Itch Emulsion--Dogs . (Unpublished study received Jan 13, 1971 under 11466-1; CDL:004838-C)
122484	Douglas Veterinary Products, Inc. (19??) Intraperitoneal (I.P.) In-jection Toxicology Tests: ?Summer Itch Emulsion . (Unpublished study received Jan 13, 1971 under 11466-1; CDL:004838-D)
122485	Penick Corp. (1973) ?Chemical Study: SBP-1382/Bioallethrin 23-38.4 Concentrate . (Compilation; unpublished study received Jul 25, 1973 under 432-531; CDL:008494-A)
122486	Penick Corp. (1972) ?Chemical Study of SBP-1382/Bioallethrin 4-3 Transparent Emulsion Concentrate . (Compilation; unpublished study received Aug 30, 1973 under 432-532; CDL:008921-A)
122487	Chesher, B.; Malone, J. (1972) Bioallethrin, 24 Hour Exposure Rat Inhalation Study: Report Series B No. 75-72. (Unpublished study received Sep 22, 1972 under 1021-1217; prepared by Wellcome Foundation Ltd., Eng., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-A)
122488	Verece, R.; Malone, J. (1969) Dermal Irritancy of Pyrethroids and Piperonyl Butoxide to Rabbits: Report Series B No. 47/69. (Unpublished study received Sep 22, 1972 under 1021-1217; prepared by Research and Development (V & A), submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-B)
122489	McLaughlin Gormley King Co. (19??) Toxicology: ?Acute Toxicity Compared in the Male and Female Rat . (Unpublished study received Sep 22, 1972 under 1021-1217; CDL:051098-C)
122490	Glomot, R. (1970) H 3565 Bioallethrine--Allethrine Commerciale. (Unpublished study received Sep 22, 1972 under 1021-1217; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-D)
122491	Wallwork, L.; Malone, J. (1972) Bioallethrin--Rat Dermal and Intraperitoneal Toxicity: Report Series B No. 44-72. (Unpublished study received Sep 22, 1972 under 1021-1217; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-E)
122492	Wallwork, L.; Clappitt, R.; Malone, J. (1972) Bioallethrin, Rat Oral 90 Day Toxicity Study: Report Series B No. 40-72. (Unpublished study received Sep 22, 1972 under 1021-1217; prepared by Wellcome Foundation Ltd., Eng., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-F)

MRID #	Citation
122493	Verece, R.; Malone, J. (1970) Inhalation and Dermal Toxicity of Bioallethrin/Piperonyl Butoxide and Pybuthrin Aerosol Formulations to Canaries and Budgerigars: Report Series B No. 82-70. (Unpublished study received Sep 22, 1972 under 1021-1217; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 051098-G)
122494	Chesher, B.; Malone, J. (1972) Bioallethrin, 10 Consecutive Day Rat Inhalation: Report Series B No. 80-72. (Unpublished study received Sep 22, 1972 under 1021-1217; prepared by Wellcome Foundation Ltd., Eng., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051098-H)
122495	Douglas Veterinary Products, Inc. (19??) Toxicology Compendium. (Unpublished study received Jan 13, 1971 under 11466-1; CDL: 100474-A)
122496	WARF Institute, Inc. (1970) Report: WARF No. 0061419. (Unpublished study received Aug 19, 1970 under unknown admin. no.; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:102915-A)
122497	Wisconsin Alumni Research Foundation (1968) Bioassay Report: W.A.R.F. No. 8081517-18. (Unpublished study received Aug 19, 1970 under unknown admin. no.; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:102915-B)
122498	Penick Corp. (1975) ?Flame and Stability Tests; Typical Properties of SBP-1382/Bioallethrin . (Compilation; unpublished study received Jun 12, 1975 under 432-542; CDL:115262-A)
122499	Penick Corp. (1975) ?Insect Efficacy Test Data for SBP-1382/Bioallethrin . (Compilation; unpublished study received Jun 12, 1975 under 432-542; CDL:115262-B)
122500	Pauley, R. (1972) Report: WARF Institute No. 208129-30A. (Unpublished study received Nov 2, 1972 under unknown admin. no.; prepared by WARF Institute, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:132800-A)
122501	Realex Corp. (19??) Real-kill Flying Insect Killer: Flammability Data. (Unpublished study received Sep 22, 1971 under 478-76; CDL:195096-A)
122536	Union Carbide Corp. (1970) ?6-12 Brand Outdoor Mosquito and Fly Repellent Tablet: Efficacy . (Compilation; unpublished study received Apr 23, 1970 under 5769-EX-1; CDL:127341-B)
122546	Mauck, W.; Olson, L.; Marking, L. (1976) Toxicity of natural pyrethrins and five pyrethroids to fish. Archives of Environmental Contamination and Toxicology 4:18-29. (Also In unpublished submission received Feb 11, 1977 under 1021-24; submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:228070-A)
122907	WARF Institute, Inc. (1974) Report: WARF No. 4052006. (Unpublished study received Jul 9, 1974 under 4822-139; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:009339-A)
122908	WARF Institute, Inc. (1974) Report: WARF No. 4052007. (Unpublished study received Jul 9, 1974 under 4822-139; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:009339-B)
122909	Penick Corp. (1974) ?Chemical Study: Bioallethrin . (Compilation; unpublished study received Oct 23, 1974 under 432-541; CDL: 009678-A)
122910	Penick Corp. (19??) Efficacy Test Information to Support Label Claims. (Unpublished study received Oct 23, 1974 under 432-541; CDL:009678-B)
122911	Penick Corp. (1972) ?Efficacy: SBP-1382 and Bioallethrin . (Compilation; unpublished study received Apr 12, 1974 under 432-482; CDL:019014-A)
122912	Penick Corp. (1969) SBP-1382/Bioallethrin 10-5 Concentrate for Oil Base Aerosols. (Compilation; unpublished study received Apr 1, 1971 under 432-485; CDL:019015-A)
122913	Penick Corp. (1972) ?Efficacy: SBP-1382 and Bioallethrin . (Compilation; unpublished study received May 29, 1974 under 432-507; CDL:019024-A)
122915	Penick Corp. (1972) ?Chemical Study: SBP-1382 Bioallethrin . (Compilation; unpublished study received Sep 13, 1972 under 432-509; CDL:019026-A)
122916	Penick Corp. (1970) ?Efficacy: SBP-1382 and Bioallethrin . (Compilation; unpublished study received Sep 13, 1972 under 432-509; CDL:019026-B)

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122917	Penick Corp. (1973) ?Efficacy: SBP-1382 and Bioallethrin . (Compi- lation; unpublished study received Dec 7, 1973 under 432-532; CDL:019040-A)
122918	Shell Chemical Co. (1974) ?Chemical Study: SBP-1382-Bioallethrin . (Compilation; unpublished study received Jun 21, 1974 under 201- 372; CDL:023156-A)
122919	Shell Chemical Co. (1974) ?Efficacy of SBP-1382 on Roses and Other Selected Plants . (Compilation; unpublished study received Jun 21, 1974 under 201-372; CDL:023156-D)
122920	WARF Institute, Inc. (1972) Report: WARF No. 2103410. (Unpublished study received Jun 27, 1974 under 4822-132; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:026100-A)
122921	S.C. Johnson and Sons, Inc. (1974) Johnson Wax Raid Professional Strength Household Flying Insect Killer (3886D138-6). (Compila- tion; unpublished study received Jul 19, 1974 under 4822-139; CDL:026107-A)
122922	Sumitomo Chemical Co., Ltd. (1972) (Chemical Study--Pynamin Forte). (Compilation; unpublished study received Nov 26, 1973 under 10308-3; CDL:026202-A)
122923	Sumitomo Chemical Co., Ltd. (1938?) (Efficacy of Pynamin Forte against Houseflies and Other Selected Insects). (Compilation; unpublished study received Nov 26, 1973 under 10308-3; CDL: 026202-B)
122924	Kadota, T. (19??) Toxicity of Pynamin Forte (I): Acute Oral and Subcutaneous Toxicity in Rats. (Unpublished study received Nov 26, 1973 under 10308-3; submitted by Sumitomo Chemical Co., Ltd., Baltimore, MD; CDL:026202-C)
122925	Penick Corp. (1975) ?Chemical Study: Bioallethrin and SBP-1382 . (Compilation; unpublished study received Jul 24, 1974 under 432- 537; CDL:026605-A)
122926	Calsetta, D. (1974) Results of Offical CSMA Large Group Aqueous Pressurized Spray Tests Run in a Peet-Grady Chamber Using CSMA F 58 WT Flies and Six Replicates per Formulation to Compare Vari- ous Professional Strength Materials. (Unpublished study re- ceived Jul 24, 1974 under 432- 537; submitted by Penick Corp., Lyndhurst, NJ; CDL:026605-C)
122927	Calsetta, D. (1974) Results of Large Group Aqueous Pressurized Spray Tests with F 58 WT Flies and 6 Replicates per Formulation for Shell Development Co.: ?SBP-1382/Bioallethrin . (Unpub- lished study received Jun 21, 1974 under 201-372; submitted by Shell Chemical Co., Washington, DC; CDL:026755-A)
122928	Penick Corp. (1974) ?Chemical Study: SBP-1382-Bioallethrin . (Com- pilation; unpublished study received Jun 21, 1974 under 432-536; CDL:028126-A)
122929	Penick Corp. (1973) ?Chemical Study: SBP-1382/Bioallethrin . (Com- pilation; unpublished study received Sep 30, 1974 under 432-540; CDL:028129-A)
122930	Johnston, C. (1974) Vape Mat Repeated Inhalation Exposure to Mice for 26 Weeks. (Unpublished study received Sep 18, 1974 under 8842-1; prepared by Woodard Research Corp., submitted by Bucknam & Archer, Garden City, NY; CDL:050940-A)
122931	Ingle, L. (1971) ?TL-192 and TL-193 Toxicity to Rats and Rabbits . (Unpublished study received Jul 27, 1971 under 1021-1120; pre- pared by Univ. of Illinois, Dept. of Zoology, submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:051011-A)
122932	McLaughlin Gormley King Co. (19??) D-Trans Insecticidal Concen- trates from MGK. Minneapolis, MN: MGK. (Interim technical bulletin; also In unpublished submission received on unknown date under unknown admin. no.; CDL:220541-A)
122933	McLaughlin Gormley King Co. (19??) ?Efficacy: D-Trans Formulae 1808 and 1818 . (Unpublished study received on unknown date under unknown admin. no.; prepared in cooperation with Wisconsin Alumni Research Foundation; CDL:220541-B)
122934	Ingle, L. (1971) Oral and Dermal Toxicity of TL-192 and TL-193. (Unpublished study received Oct 5, 1971 under 270-72; prepared by Univ. of Illinois, Dept. of Zoology, submitted by Farnam Cos., Inc., Phoenix, AZ; CDL:220628-A)

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122935	Roussel Corp. (19??) Bioallethrin. (Unpublished study received Jul 19, 1976 under 5086-6; CDL:225235-A)
122936	Penick Corp. (1973) (Chemical Study: Inert Ingredients). (Com- pilation; unpublished study received Apr 25, 1977 under 432-536; CDL:230632-A)
122937	Penick Corp. (1977) ?Efficacy: SBP-1382 plus Bioallethrin . (Com- pilation; unpublished study received Apr 25, 1977 under 432-536; CDL:230632-B)
122938	Kadota, T.; Koda, H.; Miyata, N.; et al. (1974) Sub-acute Toxicity from Fume of Mosquito Coil Containing Pynamin Forte to Mice and Rats. (Unpublished study received Jan 13, 1978 under 37422- 1; prepared by Sumitomo Chemical Co., Ltd., Japan, and Nara Pre- fectural Medical Univ., Cancer Center Div., submitted by Toyo Insecticide Co., Ltd., Wakayama Prefecture, Japan; CDL: 232692-A)
122939	Kadota, T.; Miyamoto, J. (1973) Acute Toxicity Test of Mosquito Coil Containing Pynamin Forte by Means of Oral Application to Mice. (Unpublished study received Jan 13, 1978 under 37422-1; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Toyo Insecticide Co., Ltd., Wakayama Prefecture, Japan; CDL: 232692-B)
122940	Kadota, K.; Miyamoto, J. (1974) Acute Toxicity Test of Mosquito Coil Containing Pynamin Forte by Means of Oral Application to Rats. (Unpublished study received Jan 13, 1978 under 37422-1; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Toyo Insecticide Co., Ltd., Wakayama prefecture, Japan; CDL: 232692-C)
122941	Fujita, Y.; Okuno, Y.; Ouchi, K. (1973) Efficacy Test (1): (Pynamin Forte Mosquito Coil). (Unpublished study received Jan 13, 1978 under 37422-1; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Toyo Insecticide Co., Ltd., Wakayama Prefecture, Japan; CDL:232692-D)
122942	Horiba, M. (1973) Gas-liquid Chromatographic Determination of Content of Pynamin-Forte(+)- Allethrin and Ratio of Its Optical Isomers in Mosquito Coils: Doc. Code KA-70-0002. (Unpublished study received Jan 13, 1978 under 37422-1; prepared by Sumitomo Chem- ical Co., Ltd., Japan, submitted by Toyo Insecticide Co., Ltd., Wakayama Prefecture, Japan; CDL:232692-E)
122943	Penick Corp. (1978) SBP-1382/Bioallethrin ? .20% + 40% Aqueous Pressurized Spray. (Compilation; unpublished study received Oct 16, 1978 under 432-542; CDL:235946-A)
122944	Penick Corp. (1978) SBP-1382/Bioallethrin (0.20% + 0.15%): Aqueous Pressurized Spray for House and Garden. (Compilation; unpub- lished study received Oct 30, 1978 under 432-482; CDL:235947- A)
122945	Penick Corp. (1978) SBP-1382/Bioallethrin (0.20% + 0.125%): Aqueous Pressurized Spray for House and Garden. (Compilation; unpub- lished study received Oct 11, 1978 under 432-507; CDL:235953-A)
122946	Penick Corp. (1978) SBP-1382/Bioallethrin (0.20% + 0.20%). (Com- pilation; unpublished study received Oct 16, 1978 under 432-509; CDL:235955-A)
122947	McLaughlin Gormley King Co. (1978) ?Chemical Study: D-trans Alle- thrin and Sumithrin . (Compilation; unpublished study received Oct 31, 1978 under 1021-1390; CDL:236643-A)
122948	McLaughlin Gormley King Co. (1978) ?Chemical Study: D-trans Alle- thrin and Sumithrin . (Compilation; unpublished study received Sep 25, 1978 under 1021-1390; CDL:236644-A)
122951	Gabriel, K. (1979) Primary Eye Irritation Study--Rabbits: ?McLaugh- lin Gormley King Co. TL-1933 : Project No. 78-1538A. (Unpub- lished study received Jan 26, 1979 under 1021-1390; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:236843-B)
122952	Gabriel, K. (1979) Primary Skin Irritation Study--Rabbits: ?Mc- Laughlin Gormley King Co. TL-1933 : Project No. 78-1538A. (Unpublished study received Jan 26, 1979 under 1021-1390; pre- pared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:236843-C)
122953	Gabriel, K. (1979) Acute Dermal Toxicity--Rabbits: ?McLaughlin Gormley King Co. TL-1933 : Project No. 78-1538-A. (Unpublished study received Jan 26, 1979 under 1021-1390; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Minneap- olis, MN; CDL:236843-D)

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122954	Gabriel, K. (1979) Guinea Pig Contact Dermal Irritation/Sensitization: ?McLaughlin Gormley King Co. TL-1933]: Project No. 78- 1538A. (Unpublished study received Jan 26, 1979 under 1021- 1390; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:236843-E)
122955	Gabriel, K. (1978) Acute Inhalation Toxicity--Rats: ?McLaughlin Gormley King Co. TL-1933]: Project No. 78-1538A. (Unpublished study received Jan 26, 1979 under 1021-1390; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:236843-F)
122956	McLaughlin Gormley King Co. (1979) ?Efficacy Study: MGK TL1980 and TL1982 Sprays for Control of Fleas and Ticks]. (Compilation; unpublished study received Feb 23, 1979 under 1021-1395; CDL: 238188-A)
122957	Balok, J.; Scarr, L. (1979) Evaluation of the Gross Toxicity of Two (2) McLaughlin Gormley King Aerosol Pesticides (TL-1980 and TL-1982) on Cats, Applied Nine Times Over a Three Week Period at the Normal Rate of Application (1X) and Three Times the Normal Rate of Application (3X): File #350. Final rept. (Unpublished study received Feb 23, 1979 under 1021-1395; prepared by Environmental Consultants, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:238188-B)
122958	Balok, J.; Scarr, L. (1979) Evaluation of the Gross Toxicity of Two McLaughlin Gormley King Aerosol Pesticides (TL1980 & TL1982) on Dogs, Applied Nine Times over a Three Week Period at the Normal Rate of Application (1X) and Three Times the Normal Rate of Application (3X): File #350. Final rept. (Unpublished study received Feb 23, 1979 under 1021-1395; prepared by Environmental Consultants, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:238188-C)
122960	Zaret, E. (1979) Evaluation of Efficacy and Safety of a Flea Soap Based on D-trans Allethrin. (Unpublished study received May 14, 1979 under 2596-80; submitted by Hartz Mountain Corp., Harrison, NJ; CDL:238298-A)
122961	Levenstein, I. (1978) (Toxicity of Two Bars of Soap #2712 to Rats): Assay No. 90589. (Unpublished study received May 14, 1979 under 2596-80; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:238298-B)
122962	Levenstein, I. (1978) To Determine the Degree of Irritation the Material May Produce When Applied to the Clipped Intact and Abraded Skin of Rabbits, Employing the Reference Method Described: (2 Bars of Soap #2712): Assay No. 90588. (Unpublished study received May 14, 1979 under 2596-80; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:238298-C)
122963	Levenstein, I. (1978) To Determine If the Test Material Produces Any Irritation When Instilled into Rabbits' Eyes: (2 Bars of Soap #2712): Assay No. 90587. (Unpublished study received May 14, 1979 under 2596-80; prepared by Leberco Laboratories, submitted by Hartz Mountain Corp., Harrison, NJ; CDL:238298-D)
123339	Fink, R.; Beavers, J.; Grimes, J.; et al. (1978) Acute Oral LD50: Bobwhite Quail: D-Trans Allethrin, Technical: Project No. 163- 106. Final rept. (Unpublished study received Feb 8, 1979 under 1021- 1217; prepared by Wildlife International, Ltd., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:238863-A)
123373	Penick Corp. (1969) ?Chemical Study: SBP-1382]. (Compilation; unpublished study received Apr 2, 1973 under 432-524; CDL: 003314-A)
123374	Penick Corp. (1970) ?Toxicity Study: SBP-1382/Bioallethrin]. (Compilation; unpublished study received Apr 2, 1973 under 432-524; CDL:003314-B)
123486	Penick Corp. (1971) ?Efficacy Study: SBP-1382]. (Compilation; unpublished study received May 29, 1974 under 432-507; CDL: 026602-A)
123550	Penick Corp. (1977) ?Efficacy: SBP-1382]. (Compilation; unpublished study received Jul 14, 1978 under 432-536; CDL:234388-A)

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123553	Penick Corp. (1978) SBP-1382/Bioallethrin Aqueous Pressurized Spray for House and Garden. (Compilation; unpublished study received Jul 18, 1978; Jul 19, 1978 under 432-536; CDL:234520-A)
126369	Prince, H. (1983) Virucide--Assay--EPA Method: ?Hospital Spray Disinfectant/Deodorant SPI 3064-A; Report No. GBL 17094. (Unpublished study received Mar 8, 1983 under 11715-14; prepared by Gibraltar Biological Laboratories, Inc., submitted by Speer Products, Inc., Memphis, TN; CDL:249701-A)
126384	Ingle, L. (1971) Formulations MGK, TL-192 and TL-193: ?Toxicity-- Rabbits . (Unpublished study received Jul 12, 1971 under 1021- 1060; prepared by Univ. of Illinois, Dept. of Zoology, sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 005300-A)
128700	Rittenhouse, J. (1983) The Acute Inhalation Toxicity of Hi-Power Household Insect Fogger (PN-1000-19) in Rats: Socal 1741. (Un- published study received Jun 14, 1983 under 239-2463; submitted by Chevron Chemical Co., Richmond, CA; CDL:250492-A; 250493)
129197	Sumitomo Chemical America, Inc. (1982) ?Chemistry: Pynamin Forte 80 . (Compilation; unpublished study received Jun 29, 1983 under 39398-19; CDL:250690-A)
129198	Kohda, H.; Kawaguchi, S.; Yamada, T.; et al. (1982) Acute Inhala- tion Toxicity of Pynamin Forte 80 Premix in Rats: Doc. Code Ref. No. KT-20-0053. (Unpublished study received Jun 29, 1983 under 39398-19; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical America, Inc., New York, NY; CDL:250690-B)
129199	Sumitomo Chemical America, Inc. (1983) ?Chemistry of Pynamin Forte 60 Mosquito Mat . (Compilation; unpublished study received Jun 29, 1983 under 39398-18; CDL:250691-A)
129200	Sumitomo Chemical America, Inc. (1982) ?Efficacy: Pynamin Forte . (Compilation; unpublished study received Jun 29, 1983 under 39398-18; CDL:250691-B)
129201	Kohda, H.; Kawaguchi, S.; Seki, T.; et al. (1982) Acute Inhalation Toxicity of Pynamin Forte Mosquito Mat in Rats: Doc. Code Ref. No. KT-20-0051. (Unpublished study received Jun 29, 1983 under 39398-18; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical America, Inc., New York, NY; CDL:250691-C)
129202	Matsunaga, T.; Okuno, Y. (1983) The Measurements of Pynamin Forte Concentration in the Air Evaporated with Pynamin Forte 60 Mos- quito Mat: Doc. Code Ref. No. KF-20-0023. (Unpublished study received Jun 29, 1983 under 39398-18; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemical Ameri- ca, Inc., New York, NY; CDL:250691-D)
129203	Sumitomo Chemical America, Inc. (1983) ?Chemistry of Pynamin Forte . (Compilation; unpublished study received Jun 29, 1983 under 39398-20; CDL:250692-A)
129204	Matsunaga, T.; Okuno, Y. (1983) The Measurements of Pynamin Forte Concentration in the Air Evaporated with Pynamin Forte 120 Mosquito and Fly Mat: Doc. Code Ref. No. KF-20-0022. (Unpub- lished study received Jun 29, 1983 under 39398-20; prepared by Sumitomo Chemical Co., Ltd., Japan, submitted by Sumitomo Chemi- cal America, Inc., New York, NY; CDL:250692-D)
130420	Cerven, D.; Moreno, O.; Altenbach, E. (1983) Single Dose Oral Toxi- city in Rats: ?SBP-1382/Bioallethrin 0.20%-0.15% APS without Propellant . Project No. MB 82-6511 A. (Unpublished study re- ceived Aug 23, 1983 under 432-482; prepared by MB Research Labo- ratories, Inc., submitted by Penick Corp., Lyndhurst, NJ; CDL: 251057-A)
130421	Cerven, D.; Moreno, O.; Altenbach, E. (1983) Acute Dermal Toxicity in Rabbits/LD 50 in Rabbits: ?SBP-1382/Bioallethrin 0.20%-0.15% APS without Propellant . Project No. MB 82-6511 B. (Unpublished study received Aug 23, 1983 under 432-482; prepared by MB Re- search Laboratories, Inc., submitted by Penick Corp., Lyndhurst, NJ; CDL:251057-B)
130422	Weatherby, S.; Moreno, O.; Altenbach, E. (1983) Primary Dermal Ir- itation in Rabbits: ?SBP-1382/Bioallethrin 0.20%-0.15% APS without Propellant . Project No. MB 82-6511 C. (Unpublished study received Aug 23, 1983 under 432-482; prepared by MB Re- search Laboratories, Inc., submitted by Penick Corp., Lyndhurst, NJ; CDL:251057-C)

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130423	Weatherby, S.; Moreno, O.; Altenbach, E. (1983) Primary Eye Irritation/Corrosion in Rabbits: ?SBP-1382/Bioallethrin 0.20%-0.15% APS without Propellant; Project No. 82-6511 D. (Unpublished study received Aug 23, 1983 under 432-482; prepared by MB Research Laboratories, Inc., submitted by Penick Corp., Lyndhurst, NJ; CDL:251057-D)
130589	Sumitomo Chemical America, Inc. (1982) ?Efficacy: Pynamin Forte; (Compilation; unpublished study received Jun 29, 1983 under 39398-20; CDL:250692-B)
131138	Costello, B.; Moore, G. (1983) Acute Oral Toxicity--Rats: ?Multicide Intermediate 2209; Project No. 83-3491A. (Unpublished study received Sep 19, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251258-A)
131139	Costello, B.; Moore, G. (1983) Acute Dermal Toxicity--Rabbits: ?Multicide Intermediate 2209; Project No. 83-3491A. (Unpublished study received Sep 19, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251258-B)
131140	Costello, B.; Moore, G. (1983) Primary Skin Irritation--Rabbits: ?Multicide Intermediate 2209; Project No. 83-3491A. (Unpublished study received Sep 19, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251258-C)
131141	Hershman, R.; Moore, G. (1983) Primary Eye Irritation--Rabbits: ?Multicide Intermediate 2209; Project No. 83-3491A. (Unpublished study received Sep 19, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251258-D)
131280	Gabriel, K.; Costello, B. (1982) Acute Oral Toxicity LD50--Rats: ?Intermediate 1957 2.5% w/v Dilution in Conoco LPA; Project No. 82-3097A. (Unpublished study received Jul 12, 1983 under 5748-85; prepared by Biosearch, Inc., submitted by Conwood Corp., Memphis, TN; CDL:251440-A)
131281	Gabriel, K.; Costello, B. (1982) Acute Dermal Toxicity LD50--Rabbits: ?Intermediate 1957 2.5% w/v Dilution in Conoco LPA; Project No. 82-3097A. (Unpublished study received Jul 12, 1983 under 5748-85; prepared by Biosearch, Inc., submitted by Conwood Corp., Memphis, TN; CDL:251440-B)
131282	Gabriel, K.; Costello, B. (1982) Primary Skin Irritation--Rabbits: ?Intermediate 1957 2.5% w/v Dilution in Conoco LPA; Project No. 82-3097A. (Unpublished study received Jul 12, 1983 under 5748-85; prepared by Biosearch, Inc., submitted by Conwood Corp., Memphis, TN; CDL:251440-C)
131283	Gabriel, K.; Costello, B. (1982) Primary Eye Irritation--Rabbits: ?Intermediate 1957 2.5% w/v Dilution in Conoco LPA; Project No. 82-3097A. (Unpublished study received Jul 12, 1983 under 5748-85; prepared by Biosearch, Inc., submitted by Conwood Corp., Memphis, TN; CDL:251440-D)
131284	Gabriel, K.; Costello, B. (1982) Guinea Pig Contact Dermal Irritation/Sensitization--Modified Buehler Method: ?Intermediate 1957 2.5% w/v Dilution in Conoco LPA; Project No. 82-3097A. (Unpublished study received Jul 12, 1983 under 5748-85; prepared by Biosearch, Inc., submitted by Conwood Corp., Memphis, TN; CDL: 251440-E)
131410	Gabriel, K. (1981) Acute Oral Toxicity LD50--Rats: ?TL-2251; Project No. 81-2354A. (Unpublished study received Sep 19, 1983 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251313A)
131411	Gabriel, K. (1981) Acute Dermal Toxicity LD50--Rabbits: ?TL-2251; Project No. 81-2354A. (Unpublished study received Sep 19, 1983 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251313-B)
131412	Gabriel, K. (1981) Primary Eye Irritation--Rabbits: ?TL-2251; Project No. 81-2354A. (Unpublished study received Sep 19, 1983 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251313-D)
131413	Gabriel, K. (1981) Guinea Pig Contact Dermal Irritation/Sensitization--Buehler Method: ?TL-2252; Project No. 81-2354A. (Unpublished study received Sep 19, 1983 under 1021-1492; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251313-E)

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131866	Gabriel, K. (1980) Primary Eye Irritation--Rabbits: ?Material: X- 3458-80 : Project No. 80-2012A-1. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Biosearch, Inc., sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 251182-A)
131867	Gabriel, K. (1980) Acute Oral Toxicity LD50--Rats: ?Material: X- 3458-80 : Project No. 80-2012A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Biosearch, Inc., sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 251182-B)
131868	Gabriel, K. (1980) Acute Dermal Toxicity LD50--Rabbits: ?Material: X-3458-80 : Project No. 80-2012A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Biosearch, Inc., sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 251182-C)
131869	Gabriel, K. (1980) Primary Skin Irritation--Rabbits: ?Material: X- 3458-80 : Project No. 80-2012A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251182-D)
131870	Gabriel, K. (1980) Primary Eye Irritation--Rabbits: ?Material: X- 3458-80 : Project No. 80-2012A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251182-E)
131871	Gabriel, K. (1980) Guinea Pig Contact Dermal Irritation/Sensitiza- tion: ?Material: X-3458-80 : Project No. 80-2012A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Minne- apolis, MN; CDL:251182-F)
131875	Costello, B.; Moore, G. (1983) Primary Skin Irritation--Rabbits: ?Intermediate F-2209 : Project No. 83-3584A. (Unpublished study received Sep 8, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251184-A)
131876	Hershman, R.; Moore, G. (1983) Primary Eye Irritation--Rabbits: ?Intermediate F-2209 : Project No. 83-3584A. (Unpublished study received Sep 8, 1983 under 1021-1293; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251184-B)
132284	Gabriel, K.; Costello, B. (1982) Acute Oral Toxicity LD50--Rats: ?F-2357 : Project #82-3350A. (Unpublished study received Sep 8, 1983 under 1021-1516; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN CDL:251177-A)
132285	Gabriel, K.; Costello, B. (1983) Acute Dermal Toxicity LD50-- Rabbits: ?F-2357 : Project #82-3350A. (Unpublished study re- ceived Sep 8, 1983 under 1021-1516; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251177-B)
132286	Gabriel, K.; Costello, B.; Hershman, R. (1982) Acute Inhalation Toxicity--Rats: ?F-2357 : Project #82-3350A. (Unpublished study received Sep 8, 1983 under 1021-1516; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251177-C)
132287	Gabriel, K.; Costello, B. (1982) Primary Skin Irritation --Rabbits: ?F-2357 : Project #82-3350A. (Unpublished study received Sep 8, 1983 under 1021-1516; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251177-D)
132288	Gabriel, K.; Costello, B. (1982) Primary Eye Irritation--Rabbits: ?F-2357 : Project #82-3350A. (Unpublished study received Sep 8, 1983 under 1021-1516; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251177-E)
132293	Gabriel, K.; Costello, B. (1982) Acute Oral Toxicity LD50--Rats: ?Intermediate 1957 : Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-A)
132294	Gabriel, K.; Costello, B. (1982) Acute Dermal Toxicity LD50--Rab- bits: ?Intermediate 1957 : Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Minne- apolis, MN; CDL:251179-B)
132295	Gabriel, K.; Costello, B. (1982) Primary Eye Irritation--Rabbits: ?Intermediate 1957 : Project #82-3097A. (Unpublished study re- ceived Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-D)

MRID #	Citation
132296	Gabriel, K.; Costello, B. (1982) Acute Oral Toxicity LD50--Rats: ?Intermediate 1957]: Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-E)
132297	Gabriel, K.; Costello, B. (1982) Acute Dermal Toxicity LD50-- Rabbits: ?Intermediate 1957]: Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Inc., Minneapolis, MN; CDL:251179-F)
132298	Gabriel, K.; Costello, B. (1982) Primary Skin Irritation--Rabbits: ?Intermediate 1957]: Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-G)
132299	Gabriel, K.; Costello, B. (1982) Primary Eye Irritation--Rabbits: ?Intermediate 1957]: Project #82-3097A. (Unpublished study re- ceived Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-H)
132300	Gabriel, K.; Costello, B. (1982) Guinea Pig Contact Dermal Irri- tation/Sensitization--Modified Buehler Method: ?Intermediate 1957]: Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-I)
132301	Gabriel, K.; Costello, B. (1982) Acute Oral LD50--Rats: ?D-Trans Intermediate 1860]: Project #82-3211A. (Unpublished study received Sep 8, 1983 under 1021-1126; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251180-A)
132302	Gabriel, K.; Costello, B. (1982) Acute Dermal Toxicity LD50--Rab- bits: ?D-Trans Intermediate 1860]: Project # 82-3211A. (Unpub- lished study received Sep 8, 1983 under 1021-1126; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251180-B)
132303	Gabriel, K.; Costello, B. (1982) Primary Skin Irritation--Rabbits: ?D-Trans Intermediate 1860]: Project # 82-3211A. (Unpublished study received Sep 8, 1983 under 1021-1126; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Minneap- olis, MN; CDL:251180-C)
132304	Gabriel, K.; Costello, B. (1982) Primary Eye Irritation--Rabbits: ?D-Trans Intermediate 1860]: Project #82-3211A. (Unpublished study received Sep 8, 1983 under 1021-1126; prepared by Bio- search, Inc., submitted by McLaughlin Gormley King Co., Minneap- olis, MN; CDL:251180-D)
132305	Gilman, M.; Costello, B. (1981) Acute Oral Toxicity LD50--Rats: ?D-Trans Intermediate 2247]: Project #81-2646A. (Unpublished study received Sep 8, 1983 under 1021-1438; prepared by Mc- Laughlin Gormley King Co., Minneapolis, MN; CDL:251181-A)
132572	Gabriel, K.; Costello, B. (1982) Primary Skin Irritation--Rabbits: ?Intermediate 1957]: Project #82-3097A. (Unpublished study received Sep 8, 1983 under 1021-1220; prepared by Biosearch, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:251179-C)
132630	Gabriel, K. (1981) Summary of Results of Acute Toxicity Studies: ?TL-2251]: Project No. 81-2354A. (Unpublished study received Oct 19, 1983 under 1021-1492; prepared by Biosearch, Inc., sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 251707-A)
132631	Gabriel, K. (1981) Summary of Results of Acute Toxicity Studies: ?TL-2252]: Project No. 81-2354A. (Unpublished study received Nov 19, 1983 under 1021-1492; prepared by Biosearch, Inc., sub- mitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL: 251707-B)
132889	Chevron Chemical Co. (1980) Am-0-1208--Ortho Indoor Insect Killer: Ortho III Power Household Insect Fogger: ?Storage Stabili- ty]: File No. 750.10. (Unpublished study received Nov 22, 1983 under 239-2512; CDL:251853-A)
132890	Chevron Chemical Co. (1983) Ortho Indoor Insect Killer: ?Product Chemistry--Vol. 2 of 2]. (Compilation; unpublished study re- ceived Nov 22, 1983 under 239-2512; CDL:251854-A)
133428	Higher Federal School and Test Institute for the Chemical Industry of Vienna XVII (1982) Opinion on Insect Killer--Topical. Translation; unpublished study received Dec 12, 1983 under 50654-1; submitted by Perycut-Schrammel Chemie Ges.m.b.H., Vienna, Austria; CDL:251924-A)

MRID #	Citation
133570	Peyre, M.; Chantot, J.; Penasse, L.; et al. (1979) Detection of a Mutagenic Potency of Bioallethrin: 1) Microbial Assays; 2) Mi- cronucleus Test in Mouse: Ref. RU-BA-79.27.12/A. (Unpublished study received Nov 23, 1983 under 1021-1217; submitted by Mc- Laughlin Gormley King Co., Minneapolis, MN; CDL:252029-A)
133887	Verschoyle, R.; Barnes, J. (1972) Toxicity of natural and synthetic pyrethrins to rats. Pesticide Biochemistry and Physiology 2(Oct):308-311. (Also In unpublished submission received Oct 11, 1979 under 432-487; submitted by Penick Corp., Lyndhurst, NJ; CDL:241126-J)
134336	S.C. Johnson and Sons, Inc. (1979) Raid Professional Strength Fly- ing Insect Killer II: Chemical Data. (Compilation; unpublished study received Oct 11, 1979 under 4822-162; CDL:241138-A)
134337	S.C. Johnson and Sons, Inc. (1979) Raid Professional Strength Household Flying Insect Killer: Formula II--4449D140-1: Efficacy Data. (Compilation; unpublished study received Oct 11, 1979 under 4822-162; CDL:241139-A)
134338	WARF Institute, Inc. (1974) Report: WARF No. 4052006. (Unpublished study received Oct 11, 1979 under 4822-162; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:241140-A)
134339	WARF Institute, Inc. (1974) Report: WARF No. 4052007. (Unpublished study received Oct 11, 1979 under 4822-162; submitted by S.C. Johnson and Sons, Inc., Racine, WI; CDL:241140-B)
135496	Penick Corp. (1969) SBP-1382/Bioallethrin 10-7.5 Concentrate for Aqueous Pressurized Sprays: ?Chemistry . (Compilation; unpub- lished study received May 18, 1971 under 432-488; CDL:003342-A)
136057	McLaughlin Gormley King Co. (1973) Summarization of Efficacy Re- ports on John Doe Label #1 Made from 2% of Intermediate 1973. (Compilation; unpublished study received Jun 13, 1973 under 1021-1240; CDL:005368-A)
136058	Weidhaas, D.; Swain, L. (1972) Results of Tests with a Candidate Insecticide: ?S-bioallethrin . (Unpublished study received Dec 4, 1972; Dec 14, 1972 under 1021-1249; prepared by U.S. Agricul- tural Research Service, Insects Affecting Man Research Laborato- ry, submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:005372-A)
136059	McLaughlin Gormley King Co. (1972) ?Efficacy of TL-338 and Other Insecticides . (Compilation; unpublished study received Feb 1, 1973 under 1021-1249; CDL:005373-A)
136060	McLaughlin Gormley King Co. (1972) ?Efficacy of TL-338 and Other Insecticides . (Compilation; unpublished study received Nov 8, 1972 under 1021-1250; CDL:005375-A)
136061	McLaughlin Gormley King Co. (1972) Aerosol: ?Efficacy of TL-308 and Other Formulations . MGK File No. A-1018-72. (Unpublished study received Nov 8, 1972 under 1021-1251; CDL:005376-A)
140086	Mastri, C. (1973) Report to McLaughlin Gormley King Company: Acute Toxicity Studies with S- Bioallethrin in Albino Rabbits: IBT No. 601-03038. (Unpublished study received Apr 11, 1973 under unknown admin. no.; prepared by Industrial Bio-Test Laborato- ries, Inc., submitted by McLaughlin, Gormley, King Co., Minne- apolis, Minn.; CDL:114128-A)
140994	Mace, E. (1953) Bioassay Report: W.A.R.F. No. 310071-73. (Un- published study received Dec 7, 1953 under 1021-266; prepared by Wisconsin Alumni Research Foundation, submitted by Mc- Laughlin Gormley King Co., Minneapolis, MN; CDL:005178-A)
140996	McLaughlin Gormley King Co. (1971) ?Efficacy: d-trans-Allethrin . (Compilation; unpublished study received Jun 24, 1971 under 1021-1120; CDL:005181-B)
141041	Rudy, E.; Czernohlavek, E. (1983) Acute Dermal Toxicity Studies in Rat. Unpublished study prepared by Perycut-Schrammel-Chemie. 4 p.
141042	Rudy, E.; Czernohlavek, E. (1983) Acute Inhalation Toxicity Studies in Rat. Unpublished study prepared by Perycut-Schrammel-Chemie. 7 p.
141043	Rudy, E.; Czernohlavek, E. (1983) Primary Dermal Sensitation (sic) Irritation (Guinea Pig). Unpublished study prepared by Perycut- Schrammel-Chemie. 4 p.

MRID #	Citation
141044	Rudy, E.; Czernohlavek, E. (1983) Ocular Irritancy Studies (Rab- bit). Unpublished study prepared by Perycut-Schrammel-Chemie. 2 p.
141045	Benscits, F.; Rudy, E. (1983) Toxicology Test Results [for Insek- tenkiller-Topical]. Unpublished study prepared by Perycut- Schrammel-Chemie. 3 p.
141046	Berner, R. (1982) Opinion on "Insect Killer (Topical)". Unpub- lished translation of study prepared by Higher Federal School and Test Institute for the Chemical Industry of Vienna XVII. 5 p.
141337	Perycut-Schrammel-Chemie Gesmbh (1984) [Product Chemistry: Insek- tenkiller-Topical]. Unpublished compilation. 22 p.
141372	Hershman, R. (1984) Summary of Results of an Acute Inhalation Tox- icity Study: Project Number 84-4059A (Second Study). Unpub- lished study prepared by Biosearch, Inc. 8 p.
141402	Kohda, H.; Suzuki, T. (1981) Aerial Concentration of Pynamin-Forte and Particle Size of Aerosol, Generated by Fumigation of Mosquito Coil Containing the Compound: KT-10-00044. Unpublished supplement to inhalation study KT-40-0031 prepared by Sumitomo Chemical Co., Ltd. 10 p.
141403	Sumitomo Chemical Co., Ltd. (1984) [Product Chemistry Data for Mos- quito Coils Containing Pynamin-Forte]. Unpublished compilation. 27 p.
141404	Hosokawa, S.; Misaki, Y.; Ito, S.; et al. (1982) Acute Oral Toxici- ty of 0.3% Pynamin-Forte Mosquito Coil in Mice: KT-20-0046. Un- published study prepared by Sumitomo Chemical Co., Ltd. 11 p.
141405	Hosokawa, S.; Misaki, Y.; Ito, S.; et al. (1982) Acute Oral Toxici- ty of 0.3% Pynamin-Forte Mosquito Coil in Rats: KT-20-0047. Un- published study prepared by Sumitomo Chemical Co., Ltd. 11 p.
141595	Beechham Laboratories (1984) Allethrin Mutagenicity. Unpublished study. 3 p.
141983	McLaughlin Gormley King Co. (1984) Laboratory Report: [Storage Sta- bility of F-2237 Concentrate & Aerosol Including Analytical Methods]. Unpublished compilation. 13 p.
142421	McLaughlin Gormley King Co. (19??) (Storage Stability of Shampoo X-3476-80 and Concentrate 2277). Unpublished study. 5 p.
142422	Biosearch Inc. (1982) Summary of Results of Acute Toxicity Studies: Project Number: 81-2665A. Unpublished study. 26. p.
142423	McLaughlin Gormley King Co. (19??) (Product Chemistry of F-2244 and F-2245 Wasp & Hornet Spray). Unpublished compilation. 6 p.
142693	Fisher, A. (1984) [Data on Ragweed Sensitivity to Humans Using Pyrethrum]. Unpublished study prepared by Pfizer Inc. 50 p.
142859	McLaughlin Gormley King Co. (1985) Laboratory Report [on Storage Stability of F-2302 Concentrate and Aerosol]. Unpublished stud- y. 4 p.
143193	S. J. Johnson & Son, Inc. (19??) [Product Chemistry Information Including Particle Size Determination and Product Description for Raid Formula 274 Insect Killer]. Unpublished compilation. 16 p.
143194	Martin, R. (1984) Biological Efficacy Discussion: Raid Formula 273 Insect Killer (5911D62-1) [Including Raw Data]. Unpublished compilation prepared S. C. Johnson & Sons, Inc. 34 p.
143195	S. C. Johnson & Son, Inc. (19??) Raid Formula 274 Insect Killer ... Product Chemistry. Unpublished compilation. 34 p.
143196	Reagan, E. (1984) Acute Oral LD50 Study of 5911D62-1 in Sprague- Dawley Rats: FDRL Study No. 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 58 p.
143197	Biesemeier, J. (1984) Acute Inhalation Toxicity of 5911D62-1 in Sprague-Dawley Rats: FDRL Study No. 8057. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 104.
143489	Rudy, E.; Czernohlavek, E. (1983) Acute Oral Toxicity Studies in Rat. Unpublished study prepared by Versuchsanstalt fur Biochem- ie und Schadlingsbekampfung. 7 p.
144215	Costello, B. (1984) Summary of Results of a Guinea Pig Sensitiza- tion Study: D-Trans Intermediate 2029: Project No. 84-4059A-1. Unpublished study prepared by Biosearch, Inc. 12 p.

MRID #	Citation
144299	Hershman, R. (1984) Summary of Results of an Acute Toxicity Study: D-Trans Intermediate 2321: Project No. 84-4245A. Unpublished study prepared by Biosearch Inc. 9 p.
144374	Costello, B. (1984) Summary of Results of a Skin Irritation Study [with Test Data of Multicide Intermediate 2209 at 2% Industrial Fill]: Project No. 84-3955A. Unpublished study prepared by Biosearch Inc. 6 p.
145210	Perycut-Schrammel-Chemie (1983) [Product Chemistry for Insektenkil-ler-Topical]. Unpublished compilation. 32 p.
145374	Reagan, E. (1984) Acute Oral Toxicity of 5911D62-1 in Sprague- Dawley Rats: FDRL Study No. 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 26 p.
145375	Reagan, E. (1984) Acute Dermal Toxicity Study of 5911D62-1 in New Zealand White Rabbits: FDRL Study No. 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 18 p.
145376	Reagan, E. (1984) Primary Eye Irritation Study of 5911D62-1 in New Zealand White Rabbits: FDRL Study No. 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 28 p.
145642	Costello, B. (1984) Summary of Results of a Skin Irritation Study [with Test Data of Multicide Intermediate 2209 at 2% General Fill]: Project No. 84-3955A. Unpublished study prepared by Biosearch Inc. 6 p.
146026	Rudy, E.; Czernohlavek, E. (1983) Acute Oral Toxicity Studies in Rat. Unpublished study prepared by Perycut-Schrammel-Chemie, 8 p.
146185	Boyle-Midway, Inc. (1985) One of Three Sets of General Chemistry Data [on "Black Flag Flying Insect Killer III"]. Unpublished study. 36 p.
147553	Costello, B. (1984) Primary Skin Irritation - Rabbits: (Multicide Intermediate 2209 at 2% General Fill): Project No. 84-3955A. Unpublished study prepared by Biosearch, Inc. 5 p.
147774	Boyd, W. (1978) [Efficacy of Roll-On Flea Killer on Dogs]. Unpub- lished study prepared by Boyd & Doty D.V.M. Chartered. 16 p.
147775	Young, S. (1979) Acute Eye Irritation Study in Rabbits, Acute Oral Toxicity Study in Rats, Primary Skin and Corrosivity Study in Rabbits with Roll-On Flea Killer Formula 20-9-8A: Project No. WIL-1241-78. Unpublished study prepared by Wil Research Lab- oratories, Inc. 15 p.
148869	Boyle-Midway, Inc. (1984) Black Flag Flea Killer - Formula II: [Product Chemistry]. Unpublished compilation. 22 p.
149661	Hathaway, D. (1984) Particle Size Distribution Study with Black Flag Aerosol #814-51 Using Holographic Microscopy: LPL No. 2070. Unpublished study prepared by Laser Photographic Laboratories. 20 p.
150085	McLaughlin Gormley King Co. (1985) Laboratory Report: [Storage Sta- bility: Multicide Intermediate]: F-2208 & 2209. Unpublished compilation. 7 p.
150322	McLaughlin Gormley King Co. (1983) [Storage Stability of F-2321 with Nitrous Oxide as Propellant]. Unpublished compilation. 7 p.
150970	McLaughlin Gormley King Company (1985) GLC Method of Analysis for Intermediate 1808. Unpublished study. 2 p.
151443	Fournex, R. (1985) Toxicology: Bioallethrin; Esbiothrin; Esbiol: [Summary of Acute, Subacute, and Chronic Toxicity Studies]. Unpublished study prepared by Roussel Uclaf. 17 p.
151444	Glomot, R. (1979) Bioallethrin: Acute Oral Toxicity Study in the Rat: Ref. RU-BA-79829/A and Ref. 79829. Unpublished study prepared by Roussel Uclaf. 26 p.
151445	Glomot, R. (1979) Bioallethrin: Acute Intraperitoneal Toxicity Study in the Rat: Ref. RU-BA-79835/A and Ref. 79835. Unpub- lished study prepared by Roussel Uclaf. 27 p.
151446	Saunders, J.; Vercoe, R. (1970) Sensitisation Study with Bioalle- thrin on Guinea Pigs: Report Series B No. 33-70: Ref. WELL-BA- 70.23.02/A. Unpublished study prepared by Wellcome Research Laboratories. 4 p.

MRID #	Citation
151447	Griggs, L. (1982) 6-month Dietary Toxicity Study in Dogs: Bioallethrine: 406-034: Ref. IRDC-BA-406.034/A1. Unpublished study prepared by International Research and Development Corp. 306 p.
151448	Wallwork, L.; Malone, J. (1969) Potentiation Studies between Bio- allethrin and Piperonyl Butoxide: [Acute Intraperitoneal Expo- sure in Rats]: Report Series B No. 209-69: Ref. WELL-BA-69.30. 12/A. Unpublished study prepared by Wellcome Research Labo- ratories. 3 p.
151449	Glomot, R. (1979) Esbiothrin: Acute Oral Toxicity Study in the Rat: Ref. RU-EBT-79828/A and Ref. 79.828. Unpublished study prepared by Roussel Uclaf. 27 p.
151450	Glomot, R. (1979) Esbiothrin: Acute Intraperitoneal Toxicity Study in the Rat: Ref. RU-EBT-79834/A and Ref. 79834. Unpublished study prepared by Roussel Uclaf. 24 p.
151451	Kaysen, A.; Sales, A. (1984) RU 27436: Acute Dermal Toxicity in Male and Female Rabbits: Study No. 430 TAL: Ref. CIT/EBT-430- 84/A. Unpublished study prepared by Centre International de Toxicologie. 36 p.
151452	Hardy, C.; Jackson, G.; Lewis, D.; et al. (1984) Esbiothrine: RU 27436 Acute Inhalation Toxicity in Rats: 4-hour Exposure: HRC Report No. RSL 640/84470: Ref. RSL-EBT-84470/A. Unpublished study prepared by Huntingdon Research Centre plc. 118 p.
151453	Collas, E. (1984) Esbiothrin: Primary Dermal Irritation Study in the Male Rabbit: Ref. RU-EBT-83.315/A. Unpublished study prepared by Roussel Uclaf. 12 p.
151454	Collas, E. (1984) Esbiothrin: Primary Eye Irritation Study in the Male Rabbit: Ref. RU-EBT-83.316/A. Unpublished study prepared by Roussel Uclaf. 16 p.
151455	Chantot, J. (1984) Esbiothrin: Detection of a Mutagenic Potency with a Bacterial Test (Ames Test): RU-EBT-84.04.04/A. Unpublished study prepared by Roussel Uclaf. 14 p.
151456	Vannier, B. (1984) Esbiothrin: Detection of a Mutagenic Potency: Micronucleus Test in the Mouse: Ref. RU-EBT-84.603/A. Unpub- lished study prepared by Roussel Uclaf. 14 p.
151457	Richold, M.; Edgar, D.; Ransome, S.; et al. (1984) An Assessment of the Mutagenic Potential of Esbiothrine Using an in vitro Mammalian Cell Test System: HRC Report No. RSL 642/84422: Ref. RSL-EBT-642/84422/A. Unpublished study prepared by Huntingdon Research Centre plc. 37 p.
151458	Uchiyama, T.; Takagaki, Y. (1975) Esbiol Acute Toxicity Tests: (Oral Route in Rats and Mice): Vehicle: Corn Oil: Ref. CP-SB-75. 07.10/A. Unpublished study prepared by General Research Insti- tute. 4 p.
151459	Motoyama, I.; Yanagidaira, T.; Sakai, A.; et al. (1975) Esbiol Acute Toxicity Tests: Oral, Subcutaneous, Percutaneous, Intra- peritoneal Routes in Rats and Mice: Ref. SU-SB-75.07.11/A. Un- published study prepared by Shinshu Universtiy. 9 p.
151460	Glomot, R. (1979) Esbiol: Acute Oral Toxicity Study in the Rat: Ref. RU-SB-79830/A and Ref. 79830. Unpublished study prepared by Roussen Uclaf. 30 p.
151461	Glomot, R. (1979) Esbiol: Acute Intraperitoneal Toxicity Study in the Rat: Ref. RU-S.B. 79836/A and Ref. 79836. Unpublished study prepared by Roussel Uclaf. 29 p.
151462	Sakamoto, Y.; Matsumoto, K.; Ogami, H.; et al. (1975) Esbiol Acute Inhalation Toxicity Tests in the Mouse and the Rat: Ref. OU-SB. 75.02.15/A. Unpublished study prepared by Osaka University and Dai-Nippon Insecticide Co. 15 p.
151463	Ogami, H.; Uetamari, M. (1975) Acute Toxicity of Esbiol Mosquito Coils in the Mouse and Rat by Oral and Cutaneous Routes: Ref. DIR-SB-75.07.22/A. Unpublished study prepared by Dainippon Insect Repellent Co. 14 p.
151464	Ogami, H.; Shimada, T.; Kamitamari, M. (1975) Esbiol Mosquito Coil Acute Inhalation Toxicity Tests in the Mouse and Rat: Ref. BRD- SB-75.02.25/A. Unpublished study prepared by Japan Mosquito Coil Co., Ltd. 9 p.
151465	Motoyama, J.; Yanadaira, T.; Sakai, A.; et al. (1975) Esbiol Skin Irritant Tests in Rabbits and Rats: Ref. SU-SB-75.07.24/A. Un- published study prepared by Shinshu University. 4 p.

MRID #	Citation
151466	Sakamoto, Y.; Matsumoto, K.; Ogami, H. (1975) Irritant Effect of Esbiol and Allethrin on the Eye Mucosa of the Rabbit: Ref. OU- SB-75.03.22/A. Unpublished study prepared by Osaka University and Japan Mosquito Coil Co. 4 p.
151467	Sakamoto, Y.; Matsumoto, K.; Ogami, H. (1975) Esbiol Subacute Inha- lation Toxicity Tests in the Mouse and Rat (One Month): Ref. OU- SB-75.05.27/A. Unpublished study prepared by Osaka University and Japan Mosquito Coil Co., Ltd. 52 p.
151468	Sakamoto, Y.; Matsumoto, K.; Ogami, H. (1975) Esbiol Mosquito Coil Subacute Inhalation Toxicity Tests in the Mouse and Rat: Ref. OU-SB-75.06.07/A. Unpublished study prepared by Osaka Univer- sity and Japan Mosquito Coil Co. 44 p.
151469	Tsuchiyama, H.; Sugihara, S.; Kawai, K. (1974?) Electric Mosquito Mat Subacute Inhalation Toxicity Tests in Mice: Ref. NU-SB-75. 08.24/A. Unpublished study prepared by Nagasaki University and Fumakilla Co., Ltd. 77 p.
151470	Motoyama, I.; Yanagidaira, T.; Sakai, A.; et al. (1975) Esbiol: The Results of Subacute and Chronic Toxicity Tests in the Rat (6 Month Study): Ref. SU-SB-75.07.19/A. Unpublished study pre- pared by Shinshu University. 54 p.
151471	Shioda, N.; Sugiyama, O.; Takagaki, Y. (1975) Esbiol Teratological Test Results in Rats and Mice: Ref. CP-SB-75.02.28/A. Unpub- lished study prepared by Chugai Pharmaceutical Co., Ltd. 42 p.
151932	Boyle-Midway Inc. (1985) (Residual Efficacy Data for Black Flag Long Lasting Flea & Roach Killer and Chlorpyrifos). Unpublished compilation. 15 p.
151949	Kassera, D. (1982) [Storage Stability and Shelf Life of F-2333]. Unpublished study prepared by McLaughlin Gormley King Co. 5 p.
152395	McLaughlin Gormley King Co. (1984) Laboratory Report [on Storage Stability Data for TL-2261]. Unpublished study. 14 p.
153583	Bryant, C. (1985) (Efficacy Data - D-Con Four/Gone Formula IV). Unpublished compilation. 8 p.
156875	TNT Chemicals (1985) Certification of Limits: [Chemistry Data of New Improved TNT Flea and Tick Killer with Residual Action]. Unpublished study. 1 p.
157916	Sato, H.; Arai, M.; Hagiwara, A. (1985) Chronic Toxicity and Oncogenicity Study of Pynamin Forte in Rats. Unpublished study prepared by Daiyu-Kai Institute of Medical Science. 3065 p.
159524	Penick-Bio UCLAF Corp. (1986) Product Chemistry Data Requirements [for SBP- 1382/Bioallethrin/Pipeonyl Butoxide Aqueous Pressur- ized Spray]. Unpublished study. 10 p.
159525	D'Aleo, C. (1984) The Acute Oral Toxicity of EXID 33C (Water-based Insecticide Aerosol Candidate) in Albino Rats: Study No. 40341. Unpublished study prepared by Mobil Environmental and Health Science Laboratory. 7 p.
159526	D'Aleo, C. (1984) The Acute Dermal Toxicity of EXID 33C (Water- based Insecticide Aerosol Candidate) in Albino Rabbits: Study No. 40342. Unpublished study prepared by Mobil Environmental and Health Science Laboratory. 12 p.
159527	D'Aleo, C. (1985) The Primary Eye Irritation of EXID 33C (Water- based Insecticide Aerosol Candidate) in Albino Rabbits: Study No. 40343. Unpublished study prepared by Mobil Environmental and Health Science Laboratory. 13 p.
159528	D'Aleo, C. (1985) Skin Irritation by EXID 33C (Water-based Insecti- cide Aerosol Candidate) after Single Applications, Occluded and Non-occluded, on Albino Rabbits: Study No. 40344. Unpublished study prepared by Mobil Environmental and Health Science Labora- tory. 17 p.
159529	Dalbey, W. (1985) Acute Inhalation Toxicity of Aerolized EXID 33C [Using Rats]: Final Report: Mobil Study No. 40345. Unpublished study prepared by Mobil Environmental and Health Science Labora- tory. 168 p.
160164	McLaughlin Gormley King Co. (1985) [Storage Stability for Oil Based Flying Insect Alternate Aerosol with 1868]. Unpublished compi- lation. 3 p.

MRID #	Citation
160193	McLaughlin Gormley King Co. (1986) [Storage Stability Study of Oil Based Ant & Roach Alternate Aerosol]. Unpublished compilation. 4 p.
160818	Childs, J.; Rogosheske, S.; Mitchell, K. (1986) Residual Efficacy: Cat Fleas: [Formulation F-2321A]: MGK File No. E-2690-86. Un- published study prepared by McLaughlin Gormley King Co. 3 p.
160976	McLaughlin Gormley King Co. (19??) GLC Method for Dursban, MGK 264 and D-trans Allethrin in D-trans Intermediate 2247 and Its Dilutions. Unpublished study. 2 p.
161432	Meinin, V. (1986) GLC Storage Analysis for MGK 264, D-trans Allethrin and Permethrin. Unpublished study prepared by McLaughlin, Gormley, King Co. 2 p.
161493	McLaughlin Gormley King Co. (1986) [Storage Stability Laboratory Report for F-2221]. Unpublished compilation. 7 p.
161625	S.C. Johnson & Co. (1985) Raid Flying Insect Killer: Formula 7: Chemistry Data. Unpublished compilation. 45 p.
161626	S.C. Johnson & Co. (1985) Raid Flying Insect Killer: Formula 4: Chemistry Data. Unpublished compilation. 55 p.
161627	S.C. Johnson & Co. (1985) Raid House & Garden Bug Killer: Formula 6: Chemistry Data. Unpublished compilation. 50 p.
161628	S.C. Johnson & Co. (1985) Raid Flying Insect Killer: Formula 10: Chemistry Data. Unpublished compilation. 44 p.
161930	Albrosco Ltd. (1986) Product Chemistry Data: Flamingo Mosquito Coils. Unpublished study. 20 p.
162017	Zenith Enterprises Sdn. Berhad (1986) Product Chemistry Data: Pro- tack Mosquito Mats (with Pynamin Forte). Unpublished compila- tion. 23 p.
162030	Reagan, E. (1984) Acute Oral Toxicity Study of 5911D62-1 in Sprague-Dawley Rats: FDRL Study No. 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 30 p.
162031	S.C. Johnson & Son, Inc. (1984) Raid Electric Roach Fumigation Cartridge II: SCJ Code 6083D94-1: [Product Chemistry Data]. Unpublished compilation. 35 p.
162087	McLaughlin Gormley King Co. (1985) [Storage Stability and Analysis of TL-2364 & TL-2365 (Evercide)]. Unpublished compilation. 7 p.
162097	S. C. Johnson & Son, Inc. (1986) Chemistry Data: Raid House & Gar- den Bug Killer Formula 7. Unpublished compilation. 49 p.
162098	S. C. Johnson & Son, Inc. (1986) Chemistry Data: Raid Flying Insect Killer Formula 6. Unpublished compilation. 70 p.
162099	S. C. Johnson & Son, Inc. (1986) Chemistry Data: Raid Flying Insect Killer Formula 8. Unpublished compilation. 59 p.
162631	McLaughlin Gormley King Co. (1986) [Storage Stability of F-2225]. Unpublished compilation. 9 p.
163053	Smith, S. (1986) Acute Oral Toxicity Study in Rats with Insekten- killer - Topical: Study 480-2698. Unpublished study prepared by American Biogenics Corp. 10 P.
163054	Smith, S. (1986) Acute Dermal Toxicity Study in Rabbits Using In- sektenkiller - Topical: Study 480-2699. Unpublished study pre- pared by American Biogenics Corp. 11 p.
163055	Smith, S. (1986) Primary Eye Irritation Study in Rabbits with In- sektenkiller - Topical: Study 480-2700. Unpublished study pre- pared by American Biogenics Corp. 13 p.
163056	Smith, S. (1986) Primary Dermal Irritation Study in Rabbits with Insektenkiller - Topical: Study 480-2701. Unpublished study prepared by American Biogenics Corp. 12 p.
163242	Albrosco, Ltd. (1986) Product Chemistry Data: Flamingo Mosquito Coils. Unpublished compilation. 22 p.
164991	Penick -Bio UCLAF Corp. (1986) Product Chemistry Data: SBP-1382/- Bioallethrin/Piperonyl Butoxide Aqueous Pressurized Spray 0.35% + 0.10% + 0.40%. Unpublished study. 10 p.

MRID #	Citation
165313	Chevalier, S.; Glomot, S. (19??) Study of Acute Toxicity in Male Rats [and Mice], When Taken Orally: [RU 16121]: No. FP. A Translation of Etude de la Toxicite Aigue par voie Orale chez le Rat Male [et chez la Souris Femelle et Male]. Unpublished study prepared by Berlitz Translation Service. 3 p.
165314	Coquet, S. (1972) Product RU 16 121: Tests of Acute Toxicity in: Rats (by Intraperitoneal Injection), Rabbits (Orally) and Dogs (Orally): Sensitization Test in Guinea Pigs: No. 299. Unpublished translation of Product RU16121: Essais de Toxicite Aigue chez: Le Rat (voie I. P.), le Lapin (per os) et le Chien (per os): Essai de Sensibilisation chez le Cobaye prepared by Centre de Recherche et d'Elevage des Oncins. 17 p.
165491	Reagan, E. (1984) Primary Dermal Irritation Study of 5911D62-1 in New Zealand White Rabbits: FDRL Study 8056A. Unpublished study prepared by Food & Drug Research Laboratories, Inc. 12 p.
40071000	McLaughlin Gormley King Co. (1987) D-Trans Intermediate 2247: Primary Eye Irritation Study--End-Use Product. Compilation of 1 Study.
40071001	Gabriel, K. (1980) Primary Eye Irritation--Rabbits: [D-Trans Intermediate 2247]: Project No. 80-2012A-1. Unpublished study prepared by Biosearch, Inc. 12 p.
40085000	Sumitomo Chemical America, Inc. (1987) Allethrin Data Call in: Chronic/Oncogenicity Study in Rats. Compilation of 1 study.
40085001	Sato, H.; Arai, M.; Hagiwara, A. (1986) Chronic Toxicity and Oncogenicity of Pynamin Forte in Rats: Project No. KT-51-0058: [Supplemental Pages]. Unpublished study prepared by Daiyu-Kai Institute of Medical Science. 6 p.
40104000	S. C. Johnson & Son, Inc. (1987) Submission Data in Response to Application for Raid Flying Insect Killer 12 Registration. Compilation of 1 study.
40104001	Hurtienne, G. (1987) Raid Flying Insect Killer 12: Product Chemistry (Data). Unpublished study prepared by S. C. Johnson & Son, Inc., Insect Control Product Research. 57 p.
40113300	McLaughlin Gormley King Co. (1987) Submission of Data for New Pesticide Registration of Multicide Intermediate 2442: Storage Stability Study. Transmittal of 1 study.
40113301	Kassera, D. (1986) Evercide Intermediate 2440: Storage Stability Study: Intermediate & End-use Aerosol. Unpublished study prepared by McLaughlin Gormley King Co. 13 p.
40125400	S.C. Johnson & Son, Inc. (1987) Submission of Product Chemistry Data in Support of Application for Registration of Raid Flying Insect Killer 14. Transmittal of 1 study.
40125401	Hurtienne, G. (1987) Raid Flying Insect Killer 14: Product Chemistry. Unpublished compilation prepared by S.C. Johnson & Son, Inc., Insect Control Product Research. 51 p.
40147700	McLaughlin Gormley King Co. (1987) Submission of Data To Fulfill Requirements for Evercide Concentrate 2357 Registration: Storage Stability Study", Transmittal of 1 study.
40147701	Kassera, D. (1984) Evercide Concentrate 2357: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 7 p.
40275700	Sumitomo Chemical Co., Ltd. (1987) Submission of Toxicity Data for Some Synthetic Pyrethroids. Transmittal of 1 study.
40275701	Suzuki, H.; Miyamoto, J. (1975) Mutagenicity of Some Synthetic Pyrethroids in Bacterial Test System: Laboratory Project ID: ET-50-0024. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 14 p.
40293700	Fumakilla Limited (1987) Submission of Chemistry Data in Support of Pynamin Forte 120 Mosquito and Fly Vape Mat. Transmittal of 1 study.
40293701	Saida, T.; Iguchi, H. (1987) Dye and Pulp Material in Pynamin Forte 120 Mosquito and Fly Vape Mat. Unpublished compilation prepared by Miyoshi Co., Ltd. in cooperation with Orient Chemical Industries, Ltd. 7 p.
40297100	Velsicol Chemical Corp. (1987) Submission of Toxicity and Chemistry Data on Evercide Concentrate 2299: Gold Crest Tribute Termiticide/Insecticide. Transmittal of 2 studies.

MRID #	Citation
40297101	Costello, B.; Moore, G.; Murray, R. (1986) Acute Toxicity of F- 2299A: [Battery of Acute Toxicity Tests]: Project No. 86-5305A. Unpublished compilation prepared by Biosearch Inc. 67 p.
40297102	Houck, C. (1986) Physical/Chemical Characteristics of F-2299: Pro- ject No. 2299A. Unpublished study prepared by McLaughlin Gorm- ley King. 8 p.
40338000	Whitmire Research Laboratories, Inc. (1987) Submission of Chemistry Data to Support New Registration for Whitmire Regulator PT 421. Transmittal of 1 study.
40338001	Sarli, M. (1987) Whitmire Regulator PT 421 (...): Product Chemis- try: Proj. ID WRL -421. Unpublished study prepared by Whitmire Research Laboratories, Inc. 7 p.
40338100	Whitmire Research Laboratories, Inc. (1987) Submission of Product Chemistry and Toxicological Data to Support the Registration for Whitmire Regulator PT 420. Transmittal of 7 studies.
40338101	Sarli, M. (1987) Whitmire Regulator PT 420 (...): Product Chemis- try: Proj. ID WRL - 420. Unpublished study prepared by Whitmire Research Laboratories, Inc. 8 p.
40338102	Gabriel, D. (1987) Acute Oral Toxicity, Single Level - Rats: Combo Flea Killer, Aerosol Conc.: Biosearch Proj. No. 87-5691A. Un- published study prepared by Biosearch Inc. 8 p.
40338103	Reilly, C. (1987) Primary Eye Irritation - Rabbits: Combo Flea Killer, Pressurized Product: Biosearch Proj. No. 87-5691A. Un- published study prepared by Biosearch Inc. 10 p.
40338104	Reilly, C. (1987) Primary Skin Irritation - Rabbits: Combo Flea Killer, Aerosol Conc.: Biosearch Proj. No. 87-5691A. Unpublish- ed study prepared by Biosearch Laboratories, Inc. 9 p.
40338105	Reilly, C. (1987) Guinea Pig Dermal Sensitization - Modified Bueh- ler Method: Combo Flea Killer, Aerosol Concentrate: Biosearch Proj. No. 87-5691A. Unpublished study prepared by Biosearch Inc. 8 p.
40338107	Minton, S. (1987) Acute Dermal Toxicity, Single Level - Rabbits: Combo Flea Killer, Aerosol Conc.: Biosearch Proj. No. 87-5691A. Unpublished study prepared by Biosearch Inc. 9 p.
40353800	McLaughlin Gormley King Co. (1987) Submission of Storage Stability Data to Fulfill the Requirement for the End-use Dilution of the D-Trans Intermediate 2247. Transmittal of 1 study.
40353801	Carlson, D. (1981) D-Trans Intermediate 2247: Storage Stability Study on End-use Liquid. Unpublished study prepared by McLaugh- lin Gormley King Co. 6 p.
40366600	McLaughlin Gormley King Co. (1987) Submission of Product Chemistry Data to Fulfill the Registration Requirement for Evercide Inter- mediate 2245. Transmittal of 1 study.
40366601	Carlson, D. (1987) Evercide Intermediate 2245: Storage Stability Study: Intermediate and End-Use. Unpublished study prepared by McLaughlin Gormley King Co. 10 p.
40402700	S.C. Johnson & Son, Inc. (1987) Submission of Product Chemistry Data for the Conditional Registration of Raid Yard Guard Outdoor Fogger Formula VI. Transmittal of 1 study.
40402701	Schinkowitch, D. (1987) Taid Yard Gurad Outdoor Fogger: Formula VI: SCJ Code 6420D24-2. Unpublished study prepared by S.C. Johnson & Son, Inc. 73 p.
40403800	Albrosco Ltd. (1987) Resubmission of Data To Support the Registra- tion of Flamingo Mosquito Coils (Formula 2 with Pynamin Forte): Product Cehmistry Data. Transmittal of 1 study.
40403801	Albrosco Ltd. (1987) Product Chemistry: Flamingo Mosquito Coils. Unpublished compilation. 43 p.
40421700	S.C. Johnson & Son, Inc. (1987) Submission of Product Chemistry Data To Support the Registration of Raid Flying Insect Killer 6. Transmittal of 1 study.
40421701	Hurtienne, G. (1987) Raid Flying Insect Killer Formula 6: Product Chemistry Data (Storage Stability): SCJ Code 4957D108-2. Unpub- lished study prepared by S.C. Johnson & Son, Inc. 4 p.
40424100	Whitmire Research Laboratories, Inc. (1987) Submission of Chemistry Data to Support the Registration for Whitmire Aero-cide PT 3-6-10 Plus Pyrethrum. Transmittal of 1 study.
40424101	Sarli, M. (1987) Whitmire Aero-cide PT 3-6-10 Plus Pyrethrum: Pro- duct Chemistry: Proj. ID WRL - 3-6-10P> Unpublished study pre- pared by Whitmire Research Laboratories, Inc. 8 p.

MRID #	Citation
40431500	S. C. Johnson & Son, Inc. (1987) Submission of Data To Support the Registration of Raid Flying Insect Killer 4: Storage Stability Data. Transmittal of 1 study.
40431501	Hurtienne, G. (1987) Product Chemistry Data (Storage Stability): Raid Flying Insect Killer Formula 4: Document No. 4957D81-3C1. Unpublished study prepared by S. C. Johnson & Son, Inc. 4 p.
40456300	CSA Limited, Inc. (1987) Submission of Chemistry Data on Liquid Pet Spray Number Four (EPA Reg. No. 7056-XX) in Support of New Product Registration. Transmittal of 1 study.
40456301	Saksenberg, S. (1987) Liquid Pet Spray Number Four: Product Chemistry Data. Unpublished compilation. 11 p.
40468300	McLaughlin Gormley King Co. (1988) Submission of Stability Data to Support the Registration for D-Trans Intermediate 1860. Transmittal of 1 study.
40468301	McLaughlin Gormley King Co. (1982) D-Trans Intermediate 1860 End-use Aerosol Storage Stability Study. Unpublished compilation. 6 p.
40474400	Mosquito Shield, Inc. (1987) Submission of Data To Support the Registration of A Mosquito Coil: Product Chemistry Data. Transmittal of 1 study.
40474401	Gerberg, E. (1987) Formulation of Mosquito Shield [Manufacturing Process]. Unpublished study prepared by Mosquito Shield, Inc. 9 p.
40495600	McLaughlin Gormley King Co. (1988) Submission of Toxicity Data in Support of Multicide Intermediate 2209. Transmittal of 2 studies.
40495601	Reilly, C. (1987) Multicide Intermediate 2209 Code No. 834-87: Primary Skin Irritation--Rabbits: Biosearch Project No. 87-5881A. Unpublished study prepared by Biosearch Inc. 9 p.
40495602	Reilly, C. (1987) Multicide Intermediate 2209 Code No. 834-87: Guinea Pig Dermal Sensitization--Modified Buehler Method: Biosearch Project No. 87-5881A. Unpublished study prepared by Biosearch Inc. 19 p.
40500100	McLaughlin Gormley King Co. (1987) Submission of Data To Support the Registration of D-trans Intermediate: Storage Stability Study. Transmittal of 1 study.
40500101	Carlson, D. (1987) D-trans Intermediate 1940: Storage Stability [Data]. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40520700	Whitmire Research Laboratories, Inc. (1988) Submission of Chemistry Data to Support the Registration for Whitmire PT 567. Transmittal of 1 study.
40520701	Sarli, M. (1988) Whitmire PT 567: Product Chemistry: Proj. ID WRL- 567. Unpublished study prepared by Whitmire Research Laboratories, Inc. 8 p.
40543400	CSA Limited, Inc. (1988) Submission of Chemistry Data in Support of Registration of Total Release Fogger #3. Transmittal of 1 study.
40543401	Saksenberg, S. (1988) Total Release Fogger #3: Product Chemistry. Unpublished study. 8 p.
40577800	McLaughlin Gormley King Co. (1988) Submission of Acute Toxicity Studies to Support the Registration for Multicide Intermediate 2442. Transmittal of 7 studies.
40577801	Gabriel, D. (1988) Multicide Intermediate 2442: Acute Oral Toxicity, LD50 - Rats: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 13 p.
40577802	Reilly, C. (1988) Multicide Intermediate 2442: Acute Dermal Toxicity, Single Level - Rabbits: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 8 p.
40577803	Hershman, R. (1987) Multicide Intermediate 2442: Acute Inhalation Toxicity, Single Level, 4 Hour Exposure - Rats: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 13 p.
40577804	Reilly, C. (1987) Multicide Intermediate 2442: Primary Eye Irritation - Rabbits: Proj. No. 87-5931A. Unpublished study Prepared by Biosearch Inc. 11 p.
40577805	Reilly, C. (1987) Multicide Intermediate 2442: Primary Skin Irritation - Rabbits: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 9 p.

MRID #	Citation
40577806	Reilly, C. (1988) Multicide Intermediate 2442 ...: Guinea Pig Der- mal Sensitization - Modified Buehler Method: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 9 p.
40577807	Hershman, R. (1988) Multicide Intermediate 2442 ...: Acute Inhala- tion Toxicity, Single Level, 4 Hour Exposure - Rats: Proj. No. 87-5931A. Unpublished study prepared by Biosearch Inc. 14 p.
40578500	McLaughlin Gormley King Co. (1988) Submission of Toxicity Data in Support of Multicide Intermediate 2209. Transmittal of 2 stu- dies.
40586300	MGK (1984) Submission of Data To Support the Registration of ?F-2208 & F-2209 Wasp & Hornet[: Storage Stability Data. Trans- mittal of 1 study.
40586301	MGK (1980) Storage Stability Data: ?F-2208 & F-2209 Wasp & Hornet . Unpublished study. 5 p.
40594400	McLaughlin Gormley King Co. (1988) Submission of Toxicity Data in Support of Evercide Intermediate 2416. Transmittal of 5 studies.
40594401	Costello, B. (1984) Evercide Intermediate 2416: Acute Oral Toxici- ty, Single Level, Rats: Biosearch Project No. 84-4333A. Unpub- lished study prepared by Biosearch Inc. 7 p.
40594402	Costello, B. (1984) Evercide Intermediate 2416: Acute Dermal Toxicity, Single Level, Rabbits: Biosearch Project No. 84-4333A. Unpublished study prepared by Biosearch Inc. 8 p.
40594403	Hershman, R. (1984) Evercide Intermediate 2416: Primary Eye Irrita- tion, Rabbits: Biosearch Project No. 84-4333A. Unpublished study prepared by Biosearch Inc. 9 p.
40594404	Costello, B. (1984) Evercide Intermediate 2416: Primary Skin Irri- tation, Rabbits: Biosearch Project No. 84-4333A. Unpublished study prepared by Biosearch Inc. 8 p.
40594405	Costello, B. (1984) Evercide Intermediate 2416: Dermal Sensitiza- tion with Positive Control, Guinea Pigs: Biosearch Project No. 84-4333A. Unpublished study prepared by Biosearch Inc. 14 p.
40614600	McLaughlin Gormley King Co. (1988) Submission of Data To Support the Registration of Multicide Intermediate 2442: Toxicology Data. Transmittal of 2 studies.
40614601	Reilly, C. (1988) F-2442 End-Use Aerosol ...: Primary Skin Irrita- tion--Rabbits: Project No. 88-6141A. Unpublished study prepared by Biosearch Inc. 8 p.
40614602	Reilly, C. (1988) F-2442 End-Use Aerosol ...: Primary Eye Irrita- tion--Rabbits: Project No. 88-6141A. Unpublished study prepared by Biosearch Inc. 11 p.
40628900	McLaughlin Gormley King Co. (1988) Submission of Toxicity Data in Support of Esbiol Fogging Concentrate. Transmittal of 8 studies.
40628901	Gabriel, D. (1987) F-2289 Code No. 788-87--Acute Oral Toxicity, Single Level--Rats: Biosearch Project No. 87-5860A. Unpublished study prepared by Biosearch Inc. 7 p.
40628902	Reilly, C. (1987) F-2289 Code No. 788-87--Acute Dermal Toxicity, Single Level--Rabbits: Biosearch Project No. 87-5860A. Unpub- lished study prepared by Biosearch Inc. 9 p.
40628903	Hershman, R. (1987) F-2289 Code No. 788-87: Acute Inhalation Toxi- city, Single Level, 4 Hour Exposure--Rats: Biosearch Project No. 87-5860A. Unpublished study prepared by Biosearch Inc. 13 p.
40628904	Reilly, C. (1987) F-2289 Code No. 788-87--Primary Eye Irritation-- Rabbits: Biosearch Project No. 87-5860A. Unpublished study pre- pared by Biosearch Inc. 11 p.
40628905	Reilly, C. (1987) F-2289 Code No. 788-87--Primary Skin Irritation-- Rabbits: Biosearch Project No. 87-5860A. Unpublished study pre- pared by Biosearch Inc. 9 p.
40628906	Reilly, C. (1987) F-2289 Code No. 788-87: Guinea Pig Dermal Sensi- tization--Modified Buehler Method: Biosearch Project No. 87- 5860A. Unpublished study prepared by Biosearch Inc. 17 p.
40628907	Reilly, C. (1988) X-3799-88 Code No. 306-88: Primary Skin Irrita- tion--Rabbits: Biosearch Project No. 88-6099A. Unpublished study prepared by Biosearch Inc. 9 p.
40650000	Speer Products Inc. (1988) Submission of Chemistry Data in Support of World Class Crawling Insect Spray. Transmittal of 1 study.

MRID #	Citation
40650001	Speer Products, Inc. (1988) Product Chemistry: World Class Crawling Insect Spray: (d-trans Allethrin, Fenvalerate, Piperonyl Butoxide, N-octyl Bicycloheptene Dicarboximide). Unpublished study. 8 p.
40662300	McLaughlin Gormley King Co. (1988) Submission of Chemistry Data in Support of Evercide DM Intermediate 2476. Transmittal of 1 study.
40662301	Houck, C. (1986) Evercide Intermediate 2476: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 8 p.
40668000	Chase Products Co. (1988) Submission of Chemistry Data in Support of SprayPak Flying & Crawling Insect Killer. Transmittal of 1 study.
40668001	Hernandez, A. (1988) Product Chemistry Data: SprayPak Flying & Crawling Insect Killer: Study No. 88-01. Unpublished study prepared by Chase Products Co. 6 p.
40671600	McLaughlin Gormley King Co. (1988) Product Chemistry Data (Storage Stability) submitted in Support of Evercide Intermediate 2235. Transmittal of 1 study.
40671601	Kassera, D. (1981) Evercide Intermediate 2235 ... Storage Stability Study on Manufacturing Use Intermediate and End-use Dilutions. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
40687100	Boyle-Midway Household Products, Inc. (1988) Submission of Residue Data to Support the Pending Registration for Black Flag 60 Day Roach Killer. Transmittal of 1 study.
40687101	Rife, H. (1985) Method to Evaluate Residual Activity of Insecticides Against Crawling Insects: Laboratory Project ID No. BMPN-3-5. Unpublished study prepared by Boyle-Midway Household Products, Inc. 6 p.
40709100	Contact Industries (1988) Submission of Product Chemistry Data to Support the New Registration for Contact Utility Wasp & Hornet Killer. Transmittal of 2 studies.
40709101	Banks, N. (1988) Contact Utility Wasp and Hornet Killer: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 3 p.
40709102	Banks, N. (1988) Contact Utility Wasp and Hornet Killer: Dielectric Breakdown of Nonvolatiles. Unpublished study prepared by U.S. Testing Co., Inc. 3 p.
40715500	Whitmire Research Laboratories, Inc. (1988) Submission of Chemistry Data in Support of Whitmire PT 566WB. Transmittal of 1 study.
40715501	Sarli, M. (1988) Whitmire PT 566WB: Product Chemistry: Project ID: WRL-566WB. Unpublished compilation prepared by Whitmire Research Laboratories, Inc. 7 p.
40715600	Whitmire Research Laboratories, Inc. (1988) Submission of Chemistry Data in Support of Whitmire PT 568. Transmittal of 1 study.
40715601	Sarli, M. (1988) Whitmire PT 568: Product Chemistry: Project ID: WRL-568. Unpublished compilation prepared by Whitmire Research Laboratories, Inc. 7 p.
40717800	McLaughlin Gormley King Co. (1988) Submission of Chemistry Data in Support of MGK Esbiol Intermediate 1971. Transmittal of 1 study.
40717801	Carlson, D. (1988) Esbiol Intermediate 1971: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40722600	The d-CON Co., Inc. (1988) Submission of Product Chemistry and Efficacy Data for the Registration of d-CON Bug Killer Kills Ants & Roaches II. Transmittal of 2 studies.
40722601	Hemsarh, L. (1988) Product Chemistry: d-CON. Unpublished study prepared by d-CON Co., Inc. 3 p.
40722602	Mayerhauser, G. (1988) Comparison of Residual Activity of Improved Ant & Roach with MGK-2274 Intermediate, KB1-207, versus Current d-CON Ant & Roach Formula VII. Unpublished study prepared by d-CON Co., Inc. 6 p.
40733400	Contact Industries (1988) Submission of Product Chemistry Data to Support the Registration of Contact Fogging Concentrate 2289. Transmittal of 1 study.

MRID #	Citation
40733401	Banks, N. (1988) Contact Fogging Concentrate 2289 (Product Chemistry Storage Stability). Unpublished study prepared by McLaughlin Gormley King Co. 3 p.
40735000	Whitmire Research Laboratories, Inc. (1988) Submission of Data To Support the Application for New Registration of Whitmire PT 565HC: Product Chemistry Data. Transmittal of 1 study.
40735001	Sarli, M. (1988) Whitmire PT 565 HC ...: Product Chemistry: Project ID: WRL-565HC. Unpublished study prepared by Whitmire Research Laboratories, Inc. 7 p.
40735100	Whitmire Research Laboratories, Inc. (1988) Submission of Data To Support the Application for Registration of Whitmire PT 555 HC: Product Chemistry Data. Transmittal of 1 study.
40735101	Sarli, M. (1988) Whitmire PT 555HC ...: Product Chemistry: Project ID: WRL-555HC. Unpublished study prepared by Whitmire Research Laboratories, Inc. 7 p.
40735200	Whitmire Research Laboratories, Inc. (1988) Submission of Data To Support the Application for Registration of Whitmire PT 566 HC: Product Chemistry Data. Transmittal of 1 study.
40735201	Sarli, M. (1988) Whitmire PT 566 HC ...: Product Chemistry: Project ID: WRL-566C. Unpublished study prepared by Whitmire Research Laboratories, Inc. 7 p.
40742100	Hysan Corp. (1988) Submission of Chemistry Data in Support of SPAQ- 1 Synthetic Pyrethrin Aqueous Based. Transmittal of 1 study.
40742101	Doody, M. (1988) Product Chemistry for SPAQ 21 Synthetic Pyrethrin Aqueous Based: Study ID: LP # 4939. Unpublished study prepared by Hysan Corp. 5 p.
40742200	Hysan Corp. (1988) Submission of Chemistry Data in Support of SPNA- 2 Synthetic Pyrethrin Non-aqueous-2. Transmittal of 1 study.
40742201	Doody, M. (1988) Product Chemistry for SPNA-2 Synthetic Pyrethrin Non Aqueous-2: Study ID: LP# 4939. Unpublished study prepared by Hysan Corp. 5 p.
40742400	Hysan Corp. (1988) Submission of Product Chemistry Data to Support the Registration of Bio-Sect Insect Killer. Transmittal of 1 study.
40742401	Mantels, L. (1988) Product Chemistry for Bio-Sect Insect Killer: Study ID LP# 5019. Unpublished study prepared by Hysan Corp. 5 p.
40759700	Four Paws Products Ltd. (1988) Resubmission of Stability Data and Formulation Process to Support the Registration for Four Paws Magic Coat Plus II. Transmittal of 2 studies.
40759701	Protas, S. (1988) Manufacturing Process for Four Paws Magic Coat Plus II: Proj. ID 35-3-1. Unpublished study prepared by Corwood Labs. 3 p.
40759702	Protas, S. (1988) Four Paws Magic Coat Plus II: Eight Month Stabi- lity Study. Unpublished study prepared by McLaughlin Gormley King Co. 3 p.
40761200	Cline-Buckner, Inc. (1988) Submission of Product Chemistry Data to Support the Registration of Purge CB S-312 Insecticide. Transmittal of 1 study.
40761201	Rambo, A. (1988) Purge CB S-132 Insecticide: Product Chemistry. Unpublished study prepared by Cline-Buckner, Inc. 17 p.
40770500	Whitmire Research Laboratories, Inc. (1988) Submission of Chemistry Data in Support of Whitmire PT 555WB. Transmittal of 1 study.
40770501	Sarli, M. (1988) Whitmire PT 555WB:... Product Chemistry: Project ID: WRL-555. Unpublished compilation prepared by Whitmire Re- search Laboratories, Inc. 7 p.
40803200	Keane and Associates International Marketing (1988) Submission of Product Chemistry Data to Support the Registration of Cobra Brand Mosquito Coils. Transmittal of 2 studies.
40803201	Keane, P. (1988) Product Chemistry Data: Cobra Brand Mosquito Coils (with Esbiothrin). Unpublished study prepared by Keane & Associates. 118 p.
40803202	Keane, P. (1988) Product Chemistry Data: Cobra Brand Mosquito Coils. Unpublished study prepared by Keane & Associates. 74 p.

MRID #	Citation
40871300	Hysan Corp. (1988) Submission of Product Chemistry Data in Support of Registration of MIWH-1 Multicide Industrial Wasp and Hornet Killer (EPA Reg. No. 334-551). Transmittal of 1 study.
40871301	Doody, M. (1988) Product Chemistry For MIWH-1 Multicide Industrial Wasp and Hornet Killer: Study ID LP# 4939. Unpublished study prepared by Hysan Corp. 9 p.
40885500	McLaughlin Gormley King Co. (1988) Submission of Product Chemistry Data to Support the Continued Registration of Esbiol Fogging Concentrate 2263. Transmittal of 1 study.
40885501	Carlson, D. (1988) Esbiol Fogging Concentrate 2263...Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 5 p.
40899400	McLaughlin Gormley King Co. (1988) Submission of Data To Support Registration of D-Trans Intermediate 1868: Toxicology Data. Transmittal of 6 studies.
40899401	Gabriel, D. (1988) F-1868 Code No. 562-88--Acute Oral Toxicity, Single Level--Rats: Project No. 88-6274A. Unpublished study prepared by Biosearch Inc. 8 p.
40899402	Gabriel, D. (1988) F-1868 Code No. 562-88--Acute Dermal Toxicity, Single Level--Rabbits: Project No. 88-6274A. Unpublished study prepared by Biosearch Inc. 9 p.
40899403	Hershman, R. (1988) F-1868 Code No. 562-88 (Second Exposure): Acute Inhalation Toxicity, Single Level, 4 Hour Exposure--Rats: Project No. 88-6274A. Unpublished study prepared by Biosearch Inc. 20 p.
40899404	Gallis, J. (1988) F-1868 Code No. 562-88--Primary Eye Irritation- Rabbits: Project No. 88-6274A. Unpublished study prepared by Biosearch Inc. 11 p.
40899405	Gabriel, D. (1988) F-1868 Code No. 562-88--Primary Skin Irritation Rabbits: Project ID: 88-6274A. Unpublished study prepared by Biosearch Inc. 9 p.
40899406	Gallis, J. (1988) F-1868 Code No. 562-888: Guinea Pig Dermal Sensitization--Modified Buehler Method: Project No. 88-6274A. Unpublished study prepared by Biosearch Inc. 17 p.
40911100	Zobe Industries Chimiche S.P.A. (1988) Submission of Product Chemistry Data to Support the Alternate Formulation for Spira Air-O-Mat Mosquito Repellent (with Esbiothrin). Transmittal of 1 study.
40911101	Zobe Industries Chimiche S.P.A. (1988) Product Chemistry Data: Spira Air-O-Mat Mosquito Repellent. Unpublished study. 122 p.
40916500	Keane and Associates (1988) Submission of Chemistry Data in Support of Fish Brand Mosquito Coils (with Esbiothrin). Transmittal of 1 study.
40916501	Blood Protection Ltd. (1988) Product Chemistry Data: Fish Brand Mosquito Coils (with Esbiothrin). Unpublished study. 105 p.
40923800	McLaughlin Gormley King Co. (1988) Submission of Chemistry Data in Support of Reregistration of Products Containing Allethrin. Transmittal of 8 studies.
40923801	Carlson, D. (1988) D-trans Allethrin 90% Concentrate: Product Chemistry. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40923802	Carlson, D. (1988) D-trans Allethrin 90% Concentrate: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40923803	Kassera, D. (1988) Multicide Pynamin-Forte 90% Concentrate: Product Chemistry. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40923804	Carlson, D. (1980) Multicide Pynamin-Forte 90% Concentrate: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 5 p.
40923805	Carlson, D. (1988) Esbiothrin 90% Concentrate: Product Chemistry. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40923806	Kassera, D. (1982) Esbiothrin 90% Concentrate: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 5 p.

MRID #	Citation
40923807	Carlson, D. (1988) Esbiol Concentrate 90%: Product Chemistry. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40923808	Carlson, D. (1988) Esbiol Concentrate 90%: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
40930700	Four Paws Products Ltd. (1988) Submission of Chemistry Data in Support of Four Paws Magic Coat Plus II. Transmittal of 1 study.
40930701	Protas, S. (1988) Four Paws Magic Coat Plus II: One Year Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 3 p.
40938000	Hartz Mountain Corp. (1988) Submission of Product Chemistry Data to Support the Continued Registration of Hartz Dog Flea and Tick Killer with Allethrin. Transmittal of 1 study.
40938001	Perlberg, W. (1988) Product Chemistry Data Requirements for Hartz Dog Flea and Tick Killer with Allethrin: Study ID 2596-97: 2596-98. Unpublished study prepared by The Hartz Mountain Corp. 9 p.
40938100	The Hartz Mountain Corp. (1988) Submission of Product Chemistry Data to Support the Continued Registration of Hartz Cat Flea and Tick Killer with Allethrin. Transmittal of 1 study.
40938101	Perlberg, W. (1988) Product Chemistry Data Requirements for Hartz Flea and Tick Killer with Allethrin: Study ID 2596-97: 2596-98. Unpublished study prepared by The Hartz Mountain Corp. 9 p.
40951700	Elite Chemical Corp., Inc. (1988) Submission of Efficacy Data to Support the Continued Registration of Dursban. Transmittal of 1 study.
40951701	Rogosheske, S. (1986) Elite Aerosol Insect Spray with Dursban. Unpublished study prepared by McLaughlin Gormley King Co. 16 p.
40957700	ORB Industries Inc. (1988) Resubmission of Data To Support New Application for Registration of ORB No. 900 Utility Wasp and Hornet Spray: Product Chemistry Data. Transmittal of 2 studies.
40957701	Bastian, B. (19??) Storage Stability Study: Pre-Storage & Two Months @ 100(degrees)F: Pynamin Forte and Sumithrin. Unpublished study prepared by McLaughlin Gormley King Co. 3 p.
40957702	Bastian, B. (19??) Dielectric Breakdown of Nonvolatiles: ASTM Test Method D-877: Multicide Intermediate 2209. Unpublished study prepared by U.S. Testing Co., Inc. 3 p.
40986400	Blood Protection Ltd. (1989) Submission of Data To Support the Application for Registration of Alternate Formulation of Pynamin Forte: Product Chemistry Data. Transmittal of 1 study.
40986401	Blood Protection Ltd. (1989) Product Chemistry Data: Fis Brand Mosquito Coils (with Pynamin Forte). Unpublished study. 55 p.
40986500	Coils International, Inc. (1989) Submission of Product Chemistry Data to Support the Continued Registration of Cobra Brand Mosquito Coils. Transmittal of 1 study.
40986501	Keane, P. (1989) Product Chemistry Data: Cobra Brand Mosquito Coils (with Pynamin Forte). Unpublished study prepared by Keane & Associates. 55 p.
40993600	McLaughlin Gormley King Co. (1989) Submission of Chemistry Data in Support of New Registration of Evercide Intermediate 2491. Transmittal of 1 study.
40993601	Carlson, D. (1988) Evercide Intermediate 2491 Concentrate and End-use Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 15 p.
40993700	McLaughlin Gormley King Co. (1989) Submission of Toxicity Data in Support of Evercide Intermediate 2491. Transmittal of 5 studies.
40993701	Gabriel, D. (1988) F-2491 Code No. 457-88: Acute Oral Toxicity, LD50--Rats: Biosearch Project No. 88-6194A. Unpublished study prepared by Biosearch Inc. 14 p.
40993702	Gabriel, D. (1988) F-2491 Code No. 457-88: Acute Dermal Toxicity, Single Level--Rabbits: Biosearch Project No. 88-6194A. Unpublished study prepared by Biosearch Inc. 8 p.
40993703	Gallis-Bielucke, J. (1988) F-2491 Code No. 457-88: Primary Eye Irritation--Rabbits: Biosearch Project No. 88-6194A. Unpublished study prepared by Biosearch Inc. 11 p.

MRID #	Citation
40993704	Gabriel, D. (1988) F-2491 Code No. 457-88: Primary Skin Irritation- Rabbits: Biosearch Project No. 88-6194A. Unpublished study prepared by Biosearch Inc. 9 p.
40993705	Gallis-Bielucke, J. (1988) F-2491 Code No. 457-88: Guinea Pig Dermal Sensitization--Modified Buehler Method: Biosearch Project No. 88-6194A. Unpublished study prepared by Biosearch Inc. 15 p.
41017100	Sumitomo Chemical America, Inc. (1989) Submission of Toxicity Data to Support the Registration Standard for Allethrin. Transmittal of 6 studies.
41017101	Hiromori, T. (1989) Acute Oral Toxicity Study of Pynamin Forte in Rats: Proj. No. 1646. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 43 p.
41017102	Hiromori, T. (1989) Acute Dermal Toxicity Study of Pynamin Forte in Rabbits: Proj. No. 1705. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 28 p.
41017103	Kawaguchi, S. (1989) Acute Inhalation Study of Pynamin Forte in Rats (...): Proj. No. 1651. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 65 p.
41017104	Nakanishi, T. (1988) Primary Eye and Skin Irritation Tests with Pynamin Forte in Rabbits (...): Proj. No. 1537. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 20 p.
41017105	Nakanishi, T. (1989) Skin Sensitization Test with Pynamin Forte in Guinea Pigs (...): Proj. No. 1556. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 17 p.
41017106	Kogiso, S. (1989) Reverse Mutation Test of Pynamin Forte in Salmonella typhimurium and Escherichia coli (...): Proj. No. 1725. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 20 p.
41025200	National Laboratories (1989) Submission of Product Chemistry Data to Support the Continued Registration of Titan Ant & Roach II Spray. Transmittal of 1 study.
41025201	Hemsarh, L.; Friars, G. (1985) Product Chemistry (for Titan Ant & Roach II Spray). Unpublished study prepared by Lehn & Fink Industrial Products. 12 p.
41025300	d-Con Co., Inc. (1989) Submission of Product Chemistry Data to Support the Registration of d-CON Products. Transmittal of 8 studies.
41025302	Hemsarh, L.; Friars, G. (1989) Product Chemistry ?for d-CON Stay Away Outdoor Fogger . Unpublished study prepared by d-CON Co., Inc. 12 p.
41025303	Hemsarh, L.; Friars, G. (1989) Product Chemistry ?for d-CON House & Garden Bug Killer . Unpublished study prepared by d-CON Co., Inc. 11 p.
41025304	Hemsarh, L.; Friars, G. (1989) Product Chemistry ?for d-CON War-path Roach Killer, Formula II. Unpublished study prepared by d-CON Co., Inc. 13 p.
41025305	Hemsarh, L.; Friars, G. (1988) Product Chemistry: d-CON Four/ Gone IV. Unpublished study prepared by d-CON Co., Inc. 16 p.
41025306	Hemsarh, L.; Friars, G. (1989) Product Chemistry ?for d-CON Double Power, Formula III . Unpublished study prepared by d-CON Co. Inc. 15 p.
41025307	Hemsarh, L.; Friars, G. (1989) Product Chemistry: d-CON Home Guard Bug Killer. Unpublished study prepared by d-CON Co., Inc. 12 p.
41025308	Hemsarh, L.; Friars, G. (1989) Product Chemistry ?for d-CON Jet Stream Ant & Roach Killer Formula IX . Unpublished study prepared by d-CON Co., Inc. 10 p.
41035800	A. H. Robins Co. (1989) Submission of Product Chemistry and Efficacy Data in response to Agency Letters 11/6/86, 2/23/88: for d-trans Allethrin, fenvalerate and petroleum: Amendment. Transmittal of 2 studies.
41035801	A. H. Robins Co. (1989) Product Chemistry Data for Indoor Fogger: Laboratory Project ID: End-Use Product Data for Indoor Fogger. Unpublished study. 9 p.
41035802	Kalkofen, U. (1989) Efficacy Data for Indoor Fogger: Lab. Project ID: End-Use Product Data for Indoor Fogger. Unpublished study prepared by A. H. Robins Co. 6 p.

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41038200	Speer Products Inc. (1989) Submission of Product Chemistry Data to Support the Revised Formulation for Speer Automatic Fogger (Reg. No. 11715-62). Transmittal of 1 study.
41038201	Speer Products, Inc. (1988) Product Chemistry: Speer Automatic Fog- ger (d-trans Allethrin, Phenothrin). Unpublished study. 38 p.
41040700	McLaughlin Gormley King Co. (1989) Submission of Data To Support Registration of Evercide Intermediate 2416: Toxicology Data. Transmittal of 1 study.
41040701	Hershman, R. (1989) Evercide Intermediate 2416 Code No. 066-89 (...): Acute Inhalation Toxicity, Two Levels, 4 Hour Exposure - Rats: Project No. 88-6494A. Unpublished study prepared by Biosearch Inc. 27 p.
41040900	S.C. Johnson & Son, Inc. (1989) Submission of Data To Support Regi- stration of Raid House & Garden 13: Product Chemistry Data. Transmittal of 1 study.
41040901	Schinkowitch, D. (1989) Raid House & Garden 13: Product Chemistry Data ?Storage Stability]: Document No. 6420D30-251. Unpublished study prepared by S.C. Johnson & Son, Inc. 6 p.
41048000	McLaughlin Gormley King Co. (1989) Submission of Toxicity Data to Support the Registration for Products made From Multicide Inter- mediate 2277. Transmittal of 2 studies.
41048001	Gabriel, D. (1988) TL-4263 (...): Primary Skin Irritation-Rabbits: Proj. No. 88-6481A. Unpublished study prepared by Biosearch Inc. 10 p.
41048002	Daniels, D. (1989) TL-4263 (...): Guinea Pig Dermal Sensitization - Modified Buehler Method: Proj. No. 88-6481A. Unpublished study prepared by Biosearch Inc. 17 p.
41048100	McLaughlin Gormley King Co. (1989) Submission of Storage Stability Data to Support the Registration for Multicide Sumithrin 90% ?Reg. No. 1021-1383]. Transmittal of 1 study.
41048101	Carlson, D. (1989) End-use Aerosol with 2% Sumithrin: Storage Sta- bility Study. Unpublished study prepared by McLaughlin Gormley King Co. 10 p.
41081000	S.C. Johnson & Son, Inc. (1989) Submission of Data To Support Regi- stration of Raid Flying Insect Killer 4: Storage Stability Data. Trnamsittal of 1 study.
41081001	Hurtienne, G. (1987) Product Chemistry Data (Storage Stability): Raid Flying Insect Killer Formula 4: Document No. 4957D81-3C1. Unpublished study prepared by S.C. Johnson & Son, Inc. 4 p.
41081100	S.C. Johnson & Son, Inc. (1989) Submission of Data To Support Regi- stration of Raid Flying Insect Killer 6: Storage Stability Data. Transmittal of 1 study.
41081101	Hurtienne, G. (1987) Product Chemistry Data (Storage Stability): Raid Flying Insect Killer Formula 6: Document No. 4957D108-2. Unpublished study prepared by S.C. Johnson & Son, Inc. 4 p.
41081400	Whitmire Research Laboratories, Inc. (1989) Submission of Toxicity Data in Support of Whitmire PT 3-6-10 Plus Registration. Trans- mittal of 5 studies.
41081401	Gabriel, D. (1989) PT 3-6-10 Plus, Concentrate less Propellent... Acute Oral Toxicity, Single Level - Rats: Project No. 89-6553A. Unpublished study prepared by Biosearch Inc. 8 p.
41081402	Gabriel, D. (1989) PT 3-6-10 Plus, Concentrate less Propellent... Acute Dermal Toxicity, Single Level - Rabbits: Project ID 89- 6553A. Unpublished study prepared by Biosearch Inc. 8 p.
41081403	Bielucke, J. (1989) PT 3-6-10 Plus, Pressurized Product...Primary Eye Irritation - Rabbits: Project No. 89-6553A. Unpublished study Prepared by Biosearch Inc. 11 p.
41081404	Gabriel, D. (1989) PT 3-6-10 Plus, Concentrate less Propellent... Primary Skin Irritation - Rabbits: Project ID 89-6553A. Unpub- lished study prepared by Biosearch Inc. 8 p.
41081405	Daneils, D. (1989) PT 3-6-10 Plus, Concentrate less Propellent... Guinea Pig Dermal Sensitization - Modified Buehler Methode: Pro- ject No. 89-6553A. Unpublished study prepared by Biosearch Inc. 15 p.
41092400	McLaughlin Gormley King Co. (1989) Submission of Toxicity Data in Support of Multicide Concentrate 2519 Registration. Transmittal of 6 studies.

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41092401	Gabriel, D. (1989) F-2519 Code No. 100-89: Acute Oral Toxicity, LD 50 Rats: Project No. 88-6517. Unpublished study prepared by Biosearch Inc. 16 p.
41092402	Gabriel, D. (1989) F-2519 (Code No. 100-89): Acute Dermal Toxicity, Single Level - Rabbits: Project No. 88-6517A. Unpublished study prepared by Biosearch Inc. 8 p.
41092403	Hershman, R. (1989) Multicide Insecticide Concentrate 2519 Code No. 168-89: Acute Inhalation Toxicity, Single level, 4 Hour Expo- sure - Rats: Project No. 89-6568A. Unpublished study prepared by Biosearch Inc. 21 p.
41092404	Moore, G. (1989) F-2519 (Code No. 100-89): Primary Eye Irritation - Rabbits: Project No. 88-6517A. Unpublished study prepared by Biosearch Inc. 11 p.
41092405	Gabriel, D. (1989) F-2519 (Code No. 100-89): Primary Skin Irrita- tion - Rabbits: Project No. 88-6517A. Unpublished study prepar- ed by Biosearch Inc. 9 p.
41092406	Daniels, D. (1989) F-2519 (Code No. 100-89): Guinea Pig Dermal Sen- sitization - Modified Buehler Method: Project No. 88-6517A. Un- published study prepared by Biosearch Inc. 15 p.
41094300	Chemsico, Inc. (1989) Submission of Toxicological Data to Support the Continued Registration of Chemsico Extra Strength Microen- capsulated Ant & Roach Killer. Transmittal of 1 study.
41094301	Reid, B. (1988) Laboratory testing German cockroach: <i>Blatelia germanica</i> (L.). Insecticide and Acaricide Test Entomological Society of America 13:390-392.
41097400	Chemsico Inc. (1989) Submission of Data To Support Registration of Flea and Tick Spray with Repellent & Conditioner: Product Chemi- stry Data. Transmittal of 1 study.
41097401	Pauls, H. (1987) Product Chemistry--Flea & Tick Spray with Repellent and Conditioner: Project ID: PLF-4-85. Unpublished study prepared by Chemsico. 12 p.
41099600	Sumitomo Chemical America, Inc. (1989) Submission of Toxicity Data in Support of the Allethrin Registration Standard. Transmittal of 2 studies.
41099601	Dalgard, D. (1989) Chronic Toxicity of Pynamin Forte in Dogs: Final Report: HLA Study No. 343-207. Unpublished study prepared by Hazleton Laboratories America, Inc. 455 p.
41099602	Mayfield, R.; Gopinathy, C.; Crook, D.; et al. (1989) Pynamin Forte: Potential Tumorigenic Effects in Prolonged Dietary Administration in Mice: Project ID SMO 247/881026. Unpublished study prepared by Huntingdon Research Centre Ltd. 980 p.
41106400	Farnam Companies, Inc. (1989) Submission of Data To Support the Application for Registration of Farnam HMH-228: Product Chemi- stry and Toxicology Data. Transmittal of 6 studies.
41106401	Farnam Companies, Inc. (1989) Product Chemistry Studies Data Requirements: Farnam HMH-228. Unpublished study. 47 p.
41106402	Robbins, G. (1988) Acute Oral Toxicity Study in Rats: Study No. A1905. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
41106403	Robins, G. (1988) Acute Dermal Toxicity in Rabbits: Farnam HMH-228: Project ID: Study No. B1905. Unpublished study prepared by Cosmopolitan Saftey Evaluation, Inc. 24 p.
41106404	Robbins, G. (1988) Primary Eye Irritation Study in Rabbits: Farnam HMH-228: Project ID: Study No. D1905. Unpublished study pre- pared by Cosmopolitan Safety Evaluation, Inc. 18 p.
41106405	Robbins, G. (1988) Primary Dermal Irritation Study in Rabbits: Farnam HMH-228: Project ID: Study No. E1905. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 13 p.
41106406	Robbins, G. (1988) Guinea Pig Sensitization (Buehler): Farnam HMH-228: Project ID: Study No. F1905. Unpublished study pre- pared by Cosmopolitan Safety Evaluation, Inc. 17 p.
41115300	Sumitomo Chemical America, Inc. (1989) Submission of Product Che- mistry and Toxicology Studies for Allethrin Registration Stan- dard. Transmittal of 9 studies.
41115301	Nakazawa, H. (1989) Analysis and Certification of Product Ingre- dients: ?Pynamin Forte Technical Grade . Unpublished study pre- pared by Sumitomo Chemical Co., Ltd. 53 p.

MRID #	Citation
41115302	Nakazawa, H.; Yamada, H.; Saito, S. (1989) Physical and Chemical Characteristics of Pynamin Forte. Unpublished compilation prepared by Sumitomo Chemical Co., Ltd. 50 p.
41115303	offman, M. (1989) Determination of Boiling Point/Boiling Range of Pynamin Forte: Final Report: Proj. ID HLA 6001-309. Unpublished study prepared by Hazleton Laboratories America, Inc. 15 p.
41115304	Semann, T. (1989) Determination of Miscibility of Pynamin Forte: Proj. ID HLA 6001-352. Unpublished study prepared by Hazleton Laboratories America, Inc. 13 p.
41115305	Semann, T.; Loken, R. (1989) Determination of Solubility of Pynamin Forte in Organic Solvents: Proj. ID HLA 6001-265B. Unpublished study prepared by Hazleton Laboratories America, Inc. 25 p.
41115306	Semann, T. (1989) Determination of Viscosity of Pynamin Forte: Proj. ID HLA 6001-350. Unpublished study prepared by Hazleton Laboratories America, Inc. 16 p.
41115307	Semann, T. (1989) Vapor Pressure Determination of Pynamin Forte: Study No. 6001-269. Unpublished study prepared by Hazleton Laboratories America, Inc. 24 p.
41115308	Kogiso, S. (1989) In vitro Chromosomal Aberration Test of Pynamin Forte in Chinese Hamster Ovary Cells (CHO-K1): Study No. 1729. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 29 p.
41115309	Kogiso, S. (1989) In vitro Unscheduled DNA Synthesis (UDS) Assay of Pynamin Forte in Rat Hepatocytes: Study No. 1553. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 44 p.
41116300	Chemsico, Inc. (1989) Submission of Chemistry Data in Support of Chemsico Tralomethrin Insecticide A Registration. Transmittal of 1 study.
41116301	Pauls, H. (1989) Product Chemistry: Chemsico Tralomethrin Insecticide A: Project ID PLF-6-132. Unpublished compilation prepared by Chemsico/Divison of United Industries Corp. 15 p.
41141100	Combe, Inc. (1989) Submission of Toxicity Data in Support of Sulfo- dene Scratchex Flea and Tick Shampoo-B Registration Standard. Transmittal of 2 studies.
41141101	Taylor, M. (1988) Sulfodene: Scratchex Flea and Tick Shampoo-B for Dogs and Cats: Laboratory ID No. 1822. Unpublished study prepared by Combe, Inc. 12 p.
41141102	Cerven, D.; Fritz, L. (1988) Sulfodene Scratchex Flea and Tick Shampoo-B for Dogs and Cats: (Test Article MKT-332: Oral Toxicity: Dermal Toxicity: Eye Irritation: Primary Dermal Irritation: Guinea Pig Sensitization): Laboratory Project ID: MB88- 9123A: MB88-9124B: MB88-9124D: MB88-9124C: MB88-9123F. Unpublished compilation prepared by MB Research Laboratories, Inc. 55 p.
41155800	Roussel Bio Corp. (1989) Submission of Toxicity Data in Support of the Allethrin Stereoisomer Standard. Transmittal of 8 studies.
41155801	Glaza, S. (1989) Acute Dermal Toxicity Study of Bioallethrin... in Rabbits: Project ID HLA 81203085: Roussel Study No. RBC-BA-1. Unpublished study prepared by Hazleton Laboratories America, inc. 42 p.
41155802	Glaza, S. (1989) Acute Dermal Toxicity Study of Esbiol... in Rabbits: Project ID HLA 81203089: Roussel Study No. RBC-EBA-1. Unpublished study prepared by Hazleton Laboratories America, Inc. 28 p.
41155803	Glaza, S. (1989) Primary Eye Irritation Study of Bioallethrin... in Rabbits: Project ID HLA 81203086: Roussel Study No. RBC-BA-2. Unpublished study prepared by Hazleton Laboratories America, Inc. 30 p.
41155804	Glaza, S. (1989) Primary Eye Irritation Study of Esbiol... in Rabbits: Project ID HLA 81203090: Roussel Study No. RBC-EBA-2. Unpublished study prepared by Hazleton Laboratories America, Inc. 31 p.
41155805	Glaza, S. (1989) Primary Dermal Irritation Study of Bioallethrin... in Rabbits: Project ID HLA 81203087: Roussel Study No. RBC-BA-3. Unpublished study prepared by Hazleton Laboratories America, Inc. 21 p.
41155806	Glaza, S. (1989) Primary Dermal Irritation Study of Esbiol... in Rabbits: Project ID HLA 81203091: Roussel Study No. RBC-EBA-3. Unpublished study prepared by Hazleton Laboratories America, Inc. 21 p.

MRID #	Citation
41155807	Glaza, S. (1989) Dermal Sensitization Study of Bioallethrin... in Guinea Pigs--Closed Patch Technique: Project ID HLA 81203088: Roussel Study No. RBC-BA-4. Unpublished study prepared by Hazleton Laboratories America, Inc. 30 p.
41155808	Glaza, S. (1989) Dermal Sensitization Study of Esbiol... in Guinea Pigs--Closed Patch Technique: Project ID HLA 81203092: Roussel Study No. RBC-EBA-4. Unpublished study prepared by Hazleton Laboratories America, Inc. 33 p.
41162800	McLaughlin Gormley King Co. (1989) Submission of Chemistry and Toxicity Data in Support of Registration of Evercide Intermediate 2497. Transmittal of 6 studies.
41162801	Gabriel, D. (1989) F-2497: Acute Oral Toxicity, LD50--Rats: Project No. 88-6428A. Unpublished study prepared by Biosearch, Inc. 12 p.
41162802	Gabriel, D. (1988) F-2497: Acute Dermal Toxicity, Single Level--Rabbits: Project ID 88-6428A. Unpublished study prepared by Biosearch Inc. 8 p.
41162803	Moore, G. (1988) F-2497: Primary Eye Irritation--Rabbits: Project ID 88-6428A. Unpublished study prepared by Biosearch Inc. 11 p.
41162804	Gabriel, D. (1988) F-2497: Primary Skin Irritation--Rabbits: Project ID 88-6428A. Unpublished study prepared by Biosearch Inc. 9 p.
41162805	Daniels, D. (1989) F-2497: Guinea Pig Dermal Sensitization--Modified Buehler Method: Project ID 88-6428A. Unpublished study prepared by Biosearch Inc. 15 p.
41162806	Carlson, D. (1988) Evercide Intermediate 2497: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
41162900	McLaughlin Gormley King Co. (1989) Submission of Toxicity Data in Support of Registration of Evercide Intermediate 2525. Transmittal of 4 studies.
41162901	Hershman, R. (1989) F-2497 End-use Non-volatiles Code No. 270-89: Acute Inhalation Toxicity, Single Level, 4 Hour Exposure--Rats: Project ID 89-6633A. Unpublished study prepared by Biosearch Inc. 22 p.
41162902	Bielucke, J. (1989) F-2497 Total Release Aerosol Code No. 270-89: Primary Eye Irritation--Rabbits: Project ID 89-6633A. Unpublished study prepared by Biosearch Inc. 11 p.
41162903	Gabriel, D. (1989) F-2497 Total Release Aerosol Code No. 270-89: Primary Skin Irritation--Rabbits: Project ID 89-6633A. Unpublished study prepared by Biosearch, Inc. 9 p.
41162904	Daniels, D. (1989) F-2497 Total Release Aerosol Code No. 270-89: Guinea Pig Dermal Sensitization--Modified Buehler Method: Project No. 89-6633A. Unpublished study prepared by Biosearch Inc. 16 p.
41191200	McLaughlin Gormley King Co. (1989) Submission of Toxicity Data in Support of Evercide Residual Pressurized Spray 2523 Registration. Transmittal of 4 studies.
41191201	Bielucke, J. (1989) F-2523 End-Use Aerosol Code No. 368-89: Primary Eye Irritation--Rabbits: Laboratory ID No. 89-6684A. Unpublished study prepared by Biosearch Inc. 11 p.
41191202	Gabriel, D. (1989) F-2523 End-Use Aerosol Code No. 368-89: Primary Skin Irritation--Rabbits: Laboratory Project No. 89-6684A. Unpublished study prepared by Biosearch Incorporated. 9 p.
41191203	Daniels, D. (1989) F-2523 End-Use Aerosol Code No. 368-89: Guinea Pig Dermal Sensitization--Modified Buehler Method: Laboratory ID No. 89-6684A. Unpublished study prepared by Biosearch Inc. 15 p.
41191204	Hershman, R. (1989) F-2523 Non-Volatiles Code No. 68-89: Acute Inhalation Toxicity, Single Level, 4 Hour Exposure--Rats: Laboratory Project No. 89-6684A. Unpublished study prepared by Biosearch Inc. 23 p.
41215700	McLaughlin Gormley King Co. (1989) Submission of Chemistry Data in Support of Esbiol Intermediate 2207. Transmittal of 1 study.

MRID #	Citation
41215701	Carlson, J. (1989) Storage Stability on Esbiol Intermediate 2207 Liquid End-Use Dilution. Unpublished study prepared by McLaughlin Gormley King Co. 5 p.
41225800	Sumitomo Chemical America, Inc. (1989) Submission of Toxicity Data in Support of Allethrin registration Standard. Transmittal of 6 studies.
41225801	Hoberman, A. (1989) Pynamin - Forte: Ten Day Oral Toxicity Study in Female Rats (KT-91-0092): Project ID 1119-003. Unpublished study prepared by Argus Research Laboratories, Inc. 91 p.
41225802	Hoberman, A. (1989) Pynamin Forte: Range-Finding Teratology Study in rats (KT-91-0093): Project ID 1119-004P. Unpublished study prepared by Argus Research Laboratories, Inc. 121 p.
41225803	Hoberman, A. (1989) Teratology Study in Rats with Pynamin Forte (KT-91-0094): Project ID 1119-004. Unpublished study prepared by Argus Research Laboratories, Inc. 238 p.
41225804	Hoberman, A. (1989) Pynamin Forte: Five Day Oral Toxicity Study in Female Rabbits (KT-91-0095): Project ID 1119-005. Unpublished study prepared by Argus Research Laboratories, Inc. 120 p.
41225805	Hoberman, A. (1989) Pynamin Forte: Range finding Teratology Study in Rabbits (KT-91-0096): Project ID 1119-006P. Unpublished study prepared by Argus Research Laboratories, Inc. 134 p.
41225806	Hoberman, A. (1989) Teratology Study in Rabbits with Pynamin Forte: Project ID 1119-006. Unpublished study prepared by Argus Research Laboratories, Inc. 295 p.
41244800	Coils International, Inc. (1989) Submission of Chemistry Data in Support of Cobra Brand Mosquito Coils (with Esbiothrin). Transmittal of 1 study.
41244801	Coils International, Inc. (1989) Product Chemistry Data: Cobra Brand Mosquito Coils (With Esbiothrin). Unpublished study. 107 p.
41244900	Coils International, Inc. (1989) Submission of Chemistry Data in Support of Cobra Brand Mosquito Coils (With Pynamin Forte): Application for Registration. Transmittal of 1 study.
41244901	Coils International, Inc. (1989) Product Chemistry Data: Cobra Brand Mosquito Coils (With Pynamin forte - D-cis, trans allethrin). Unpublished study. 53 p.
41245200	Blood Protection Ltd. (1989) Submission of Product Chemistry Data to Support the Registration of Kilmos Brand Mosquito Coils. Transmittal of 1 study.
41245201	Blood Protection Ltd. (1989) Product Chemistry Data: Kilmos Brand Mosquito Coils. Unpublished study. 53 p.
41245300	Blood Protection Ltd. (1989) Submission of Product Chemistry Data in Support of Registration of Kilmos Brand Mosquito Coils. Transmittal of 1 study.
41245301	Blood Protection Ltd. (1989) Product Chemistry Data: Kilmos Brand Mosquito Coils. Unpublished study. 107 p.
41245400	Blood Protection Ltd. (1989) Submission of Product Chemistry Data in Support of Registration of Fish Brand Mosquito Coils. Transmittal of 1 study.
41245401	Blood Protection Ltd (1989) Product Chemistry Data for Fish Brand Mosquito Coils. Unpublished study. 53 p.
41246300	Sanex Chemicals, Inc. (1989) Submission of Product Chemistry Data to Support the Continued Registration of Sanex Magic Mist Insecticide DI. Transmittal of 1 study.
41246301	Majlessi, D. (1989) Storage Stability Data for Sanex Magic Mist Insecticide DI: Storage Stability: Laboratory Project No. SXCDN-890918. Unpublished study prepared by Sanex, Inc. 7 p.
41246400	Sanex Chemicals, Inc. (1989) Submission of Product Chemistry Data to Support the Continued Registration of Sanex Magic Mist Insecticide DS. Transmittal of 1 study.
41246401	Majlessi, D. (1989) Storage Stability Data for Sanex Magic Mist Insecticide DS: Storage Stability: Laboratory Project No. SXCDN-890918. Unpublished study prepared by Sanex, Inc. 7 p.
41247900	Keane & Associates (1989) Submission of Chemistry Data in Support of Fish Brand Mosquito Coils (with Esbiothrin). Transmittal of 1 study.

MRID #	Citation
41247901	Keane, P. (1989) Product Chemistry Data: Fish Brand Mosquito Coils (with Esbiothrin). Unpublished study prepared by Keane & Associates. 107 p.
41248800	Pyrethrin Joint Venture (1989) Submission of Metabolism Data in Support of Pyrethrin Data Call-in. Transmittal of 1 study.
41248801	Class, T.; Ando, T.; Casida, J. (1989) Pyrethroid Metabolism: Microsomal Oxidase Metabolites of (S)-Bioallethrin and the Six Natural Pyrethrins. Unpublished study prepared by University of California. 43 p.
41254300	McLaughlin Gormley King Co. (1989) Submission of Chemistry Data in Support of Esbiol Industrial and Household Space and Contact Spray 2201. Transmittal of 1 study.
41254301	Carlson, D. (1980) Esbiol Industrial and Household Space and Contact Spray 2201: Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 4 p.
41307400	Whitmire Research Laboratories, Inc. (1989) Submission in support of registration of Whitmire Regulator PT 421: Storage stability data. Transmittal of 1 study.
41307401	Sarli, M. (1989) Whitmire Regulator PT 421: Product Chemistry: (Storage Stability): Project ID WRL-421-1. Unpublished study prepared by Whitmire Research Laboratories, Inc. 5 p.
41324700	ConAgra Pet Products Co. (1989) Submission of Product Chemistry Data to Support the Registration of Sergeant's Indoor Fogger. Transmittal of 1 study.
41324701	Kalkofen, U. (1989) Product Efficacy Data for Sergeant's Indoor Fogger: Lab Project Number: EFFICACY/AND/EQUIVAL. Unpublished study prepared by Rocky Mountain Laboratory. 10 p.
41333500	Sumitomo Chemical America, Inc. (1989) Submission of Product Chemistry Data to Support the Pynamin Forte Registration Standard. Transmittal of 1 study.
41333501	Nakazawa, H. (1989) Physical and Chemical Characteristics: Pynamin Forte: Lab Project Number: 890000. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 12 p.
41333600	Sumitomo Chemical America, Inc. (1989) Submission of Product Chemistry Data to Support the Registration of Storage Stability and Corrosion Characteristics of Pynamin Forte. Transmittal of 1 study.
41333601	Nakazawa, H. (1989) Physical and Chemical Characteristics: (Pynamin Forte): Lab Project Number: 890000. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 12 p.
41343200	McLaughlin Gormley King Co. (1989) Submission of Data To Support Registration of Evercide Intermediate 2442: Efficacy Study. Transmittal of 1 study.
41343201	Rogosheke, S. (1988) Laboratory Study on Residual Efficacy Against German Cockroaches of Four MGK Formulations. Unpublished study prepared by McLaughlin Gormley King Co. 31 p.
41354800	McLaughlin Gormley King Co. (1990) Submission of Toxicity Data in Support of ESBIOL Intermediate 2207 Registration. Transmittal of 1 study.
41354801	Hershman, R. (1989) ESBIOL Intermediate 2207 Code No. 790-89 (Dosed at the Use Dilution a 12.5% w/w dilution in Vista LPA): Acute Inhalation Toxicity, Single Level, 4 Hour Exposure-Rats: Lab Project Number: 89-6838A. Unpublished study prepared by Bio-search Inc. 24 p.
41358300	McLaughlin Gormley King Co. (1990) Submission of Data To Support Registration of Esbiol Residual Contact Spray 2236: Acute Inhalation Toxicity Study. Transmittal of 1 study.
41358301	Hershman, R. (1989) Esbiol Residual Contact Spray 2236 Code No. 789-89: Acute Inhalation Toxicity, Single Level, 4 Hour Exposure - Rats: Lab Project Number: 89/6838A. Unpublished study prepared by Biosearch Ind. 24 p.
41369700	McLaughlin Gormley King Co. (1990) Submission of Data in Support of ESBIOL Intermediate 2207 Registration: Acute Inhalation Toxicity. Transmittal of 1 study
41369701	Hershman, R. (1989) ESBIOL Intermediate 2207 Code No. 790-89 (Dosed at the Use Dilution, a 12.5% w/w Dilution in Vista LPA): Acute Inhalation Toxicity, Single Level 4 Hour Exposure--Rats: Project Number: 89-6838A. Unpublished study prepared by Bio-search Inc. 24 p.

MRID #	Citation
41378800	Roussel Bio Corp. (1990) Submission of Toxicological Data to Support Registration Standard 0437, Allethrin Stereoisomers. Transmittal of 2 studies.
41378802	Jackson, G.; Hardy, C.; Singh, H.; et al. (1989) Esbiol: Acute Inhalation Toxicity in Rats: 4 Hour Exposure: Lab Project ID RSL 789. Unpublished study prepared by Huntington Research Centre, Ltd. 53 p.
41379000	Roussel Bio Corporation (1990) Submission of Toxicological Data to Support the Registration of Cypermethrin/Esbiothrin/Piperonyl Butoxide. Transmittal of 7 studies.
41379001	Swiniarski, J. (1989) Evaluation of Esbiothrin/Cypermethrin/Piperonyl Butoxide 0.1% - 0.05% - 0.4% Prefill Emulsion in a Rat Oral Limit Test: Final Report: ADL Reference: 63388-01. Unpublished study prepared by Arthur D. Little, Inc. 21 p.
41379002	Swiniarski, J. (1989) Evaluation of Esbiothrin/ Cypermethrin/ Piperonyl Butoxide 0.1% - 0.05% - 0.4% Prefill Emulsion in a Rabbit Dermal Limit Test: Final Report: ADL Reference 63388-02: 1-4771. Unpublished study prepared by Arthur D. Little, Inc. 23 p.
41379003	Stuart, B. (1989) Esbiothrin/Cypermethrin/Piperonyl Butoxide--Acute Inhalation Toxicity in Sprague Dawley Rats: Final Report: ADL Reference: 63388-03: 1-4771. Unpublished study prepared by Arthur D. Little, Inc. 27 p.
41379004	Rush, R. (1989) Primary Eye Irritation Study of Esbiothrin/Cypermethrin/ Piperonyl Butoxide in Rabbits: Final Report: SLS Study No. 3214.4. Unpublished study prepared by Springborn Laboratories, Inc. 28 p.
41379005	Swiniarski, J. (1989) Esbiothrin/Cypermethrin/Piperonyl Butoxide: 0.1% - 0.05% - 0.4% Prefill Emulsion in a Rabbit Dermal Irritation Test: Final Report: ADL Reference: 63388-05: 1-4771. Unpublished study prepared by Arthur D. Little, Inc. 23 p.
41379006	Berman, C. (1989) Esbiothrin/Cypermethrin/Piperonyl Butoxide-- Dermal Sensitization Study: Final Report: ADL Reference: 63388- 06: 1-4771. Unpublished study prepared by Authur D. Little, Inc. 35 p.
41379007	Andis, M. (1989) Compilation of Performance Data for a Synergized Esbiothrin/Cypermethrin Aqueous Pressurized Spray Formulation: Final Report: Lab Project Number: PD88008. Unpublished study prepared by Roussel Bio Corporation. 21 p.
41415900	Boyle-Midway Household Products, Inc. (1990) Submission of Data in Support of Registration of Black Flag Ant and Roach Killer-- Formula B: Product Chemistry and Toxicity. Transmittal of 4 studies.
41415901	Pazdera, J. (1989) Product Chemistry: Black Flag Ant and Roach Kil- ler--Formula B: Lab Project ID: 3-371. Unpublished study pre- pared by Boyle-Midway Household Products, Inc. 126 p.
41415902	Nitka, S. (1989) Acute Toxicity Tests Conducted on the Insecticide Product, Black Flag Ant and Roach Killer--Formula B, Including Dermal Irritation, Ocular Irritation, Oral Toxicity, and Dermal Toxicity: ?Final Report]: Lab Project ID No. 89297-1. Unpub- lished study prepared by Consumer Product Testing Co. 23 p.
41415903	Nitka, S. (1989) Acute Toxicity Test Conducted on the Insecticide Product, Black Flag Ant and Roach Killer--Formula B, Dermal Sen- sitization: ?Final Report]: Lab Project ID No. 89297-2. Unpub- lished study prepared by Consumer Product Testing Co., Inc. 16 p.
41415904	Robbins, G. (1989) Acute Inhalation Toxicity Study in Rats: Black Flag Ant and Roach Killer-- Formula B: Lab Study #C2034. Unpub- lished study prepared by Cosmopolitan Safety Evaluation, Inc. 32 p.
41423100	Roussel Bio Corp. (1990) Submission of Toxicology Data to Support the Registration of Studies Containing Esbiol. Transmittal of 1 study.
41423101	Glomot, R.; Collas, E.; Audegond, L. (1979) Esbiol: Acute Oral Toxicity Study in the Rat: Lab Project ID: 79830. Unpublished study prepared by Roussel UCLAF Research Centre. 29 p.

MRID #	Citation
41444500	McLaughlin Gormley King Co. (1990) Submission of Data To Support Registration of Esbiol Intermediate 2235: Toxicology Studies. Transmittal of 4 studies.
41444501	Gabriel, K. (1980) Acute Oral LD50--Rats: Esbiol Intermediate 2235: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 7 p.
41444502	Gabriel, K. (1980) Acute Dermal LD50--Rats (sic: Rabbits): Esbiol Intermediate 2235: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 8 p.
41444503	Gabriel, K. (1980) Primary Eye Irritation LC50--Rabbit: Esbiol Intermediate 2235: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 8 p.
41444504	Gabriel, K. (1980) Primary Dermal Irritation LC50--Rabbit: Esbiol Intermediate 2235: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 7 p.
41444600	McLaughlin Gormley King Co. (1990) Submission of Data To Support Registration of Esbiol Residual Contact Spray 2236: Toxicology Studies. Transmittal of 5 studies.
41444601	Gabriel, K. (1980) Acute Oral LD50--Rats: Esbiol Residual Contact Spray 2236: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 7 p.
41444602	Gabriel, K. (1980) Acute Dermal LD50--Rats: Esbiol Residual Contact Spray 2236: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 8 p. (Test done only on rabbits).
41444603	Gabriel, K. (1980) Primary Eye Irritation LC50--Rabbit: Esbiol Residual Concentrate 2236: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 8 p.
41444604	Gabriel, K. (1990) Primary Dermal Irritation LC50--Rabbit: Esbiol Residual Contact Spray 2236: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 7 p.
41444605	Gabriel, K. (1980) Dermal Sensitization--Guinea Pig: Esbiol Residual Contact Spray 2236: Lab Project Number: 79-1851A. Unpublished study prepared by Biosearch Inc. 8 p.
41463900	Whitmire Research Labs (1990) Submission of efficacy data to support the application for amended registration of Whitmire PT 515 Wasp Freeze Wasp & Hornet Killer. Transmittal of 3 studies.
41463901	Appel, G. (1990) Performance of Whitmire Aerosol Formulations Containing d-trans Allethrin and d-Phenothrin or Chlorpyrifos Against the Red Imported Fire Ant, <i>Solenopsis invicta</i> (Buren): Lab Project No. Number: WRL-515-EF-1. Unpublished study prepared by Auburn Univ., Dept. of Entomology and Agricultural Experiment Station. 7 p.
41463902	Berger, J. (1989) PT Wasp-Freeze Wasp and Hornet Killer: Study on Yellowjackets: Lab Project Number: WRL-515-EF-2. Unpublished study prepared by Whitmire Research Laboratories, Inc. 4 p.
41463903	St. Aubin, F. (1989) Three Wasp Products: Efficacy Study Against Spiders: Lab Project Number: WRL-515-EF-3. Unpublished study prepared by Urban Pest Management Consultant. 4 p.
41476800	Mobil Oil Corp. (1984) Submission of toxicity data to support the registration of Mobil Insect Killer--Household Aerosol (Exid 33C). Transmittal of 6 studies.
41476801	Mobil Oil Corporation (1984) The Acute Oral Toxicity of Exid 33C (Water-Based Insecticide Aerosol Candidate) in Albino Rats: Lab Project Number: STUDY NO. 40341. Unpublished study prepared by Mobil Environmental and Health Science Laboratory. 11 p.
41476802	Mobil Oil Corp. (1984) Acute Dermal Toxicity of Exid 33C (Water-Based Insecticide Aerosol Candidate) in Albino Rabbits: Lab Project Number: STUDY NO. 40342. Unpublished study prepared by Mobil Environmental and Health Sciences Laboratory. 15 p.
41476803	Mobil Oil Corp. (1984) Acute Inhalation Toxicity of Aerosolized Exid 33C: Lab Project Number: STUDY 40345. Unpublished study prepared by Mobil Environmental and Health Science Lab. 45 p.
41476804	Mobil Oil Corp. (1984) Primary Eye Irritation of Exid 33C (Water-Based Insecticide Aerosol Candidate) in Albino Rabbits: Lab Project Number: STUDY NO. 40343. Unpublished study prepared by Mobil Environmental and Health Science Lab. 18 p.

MRID #	Citation
41476805	Mobil Oil Corp. (1984) Skin Irritation by Exid 33C (Water-Based Insecticide Aerosol Candidate) After Single Applications, Occluded and Non-Occluded, on Albino Rabbits: Lab Project Number Study NO. 40344. Unpublished study prepared by Mobil Environmental and Health Science Lab. 20 p.
41476806	Mobil Oil Corp. (1984) Delayed Contact Hypersensitivity in Guinea Pigs (Buehler Sensitization Test) of Exid 33C: Lab Project Number: STUDY NO. 61451. Unpublished study prepared by Mobil Environmental and Health Science Lab. 21 p.
41477600	S.C. Johnson & Son, Inc. (1990) Submission of product chemistry data for the registration of Raid Flying Insect Killer 14. Transmittal of 1 study.
41477601	Hurtienne, G. (1990) Raid Flying Insect Killer 14: Product Chemistry: Lab Project Number: SCJ 6066D73-4. Unpublished study prepared by S. C. Johnson & Son, Inc. 4 p.
41486500	The Hartz Mountain Corp. (1990) Submission of Efficacy Data to Support the Label Amendment for the Product, Hartz 2 in 1 Rid Flea Dog Shampoo with Allethrin. Transmittal of 1 study.
41486501	Troeger, J.; Goldman, K. (1990) Toxicity of the Hartz 2 in 1 Rid Flea with Allethrin to Deer Ticks (Ixodes Dammini): Lab Study No.: RNB 984/3. Unpublished study prepared by The Hartz Mountain Corp. 20 p.
41503700	Roussel Bio Corp. (1990) Submission of Efficacy, Residue and Toxicity Data in Support of Reregistration of Allethrin. Transmittal of 2 studies.
41503702	Curren, R. (1988) Unscheduled DNA Synthesis in Rat Primary Hepatocytes: Esbiothrin: Lab Project Number: T8283. 380. Unpublished study prepared by Microbiological Assoc., Inc. 26 p.
41504401	Estigoy, L.; Shepler, K.; Ruzo, L. (1990) Hydrolysis of [Alc-(Carbon 14)]-d-trans-Allethrin at pH 5, 7, and 9: Lab Project Number: 196W-1: 196W. Unpublished study prepared by Pharmacology and Toxicology Research Laboratory-West. 104 p.
41504402	Chari, S.; Shepler, K.; Ruzo, L. (1990) Sunlight Photodegradation of [Alc-carbon 14]]-d-trans-Allethrin in a Buffered Aqueous Solution at pH 5: Lab Project Number: 197W-1: 197W. Unpublished study prepared by Pharmacology and Toxicology Research Laboratory. 7 p.
41509600	Speer Products, Inc. (1990) Submission of Data To Support Registration of Esbiol; MGK 264 and Piperonyl Butoxide: Product Chemistry Study. Transmittal of 1 study.
41509601	Speer Products, Inc. (1990) Product Chemistry ?Data for Esbiol, MGK 264 and Piperonyl Butoxide]: Lab Project Number: SPEER/1990-4. Unpublished study. 19 p.
41511200	McLaughlin Gormley King Co. (1990) Submission of Product Chemistry Data to Support the Registration of Multicide Concentrate 2519. Transmittal of 1 study.
41511201	Carlson, D. (1989) Multicide Concentrate 2519: One Year Storage Stability Study. Unpublished study prepared by McLaughlin Gormley King Co. 8 p.
41515000	Fermenta Animal Health Co. (1990) Submission of Efficacy Data in Support of Registration of Ectogard S Fogger. Transmittal of 4 studies.
41515001	Marchiondo, A. (1989) Evaluation of the Duration of Efficacy of EctoGard Fogger with Tenocide Insect Growth Regulator for Prevention of Adult Flea Emergence in Carpeting: Lab Project Number: 8822. Unpublished study prepared by Professional Laboratory and Research Services. 6 p.
41515002	Marchiondo, A. (1989) Re-evaluation of the Duration of Efficacy of EctoGard Fogger with Tenocide Insect Growth Regulator for Control of Adult Flea Development in Carpet: Lab Project Number: 8854. Unpublished study prepared by Professional Laboratory and Research Services, Inc. 6 p.
41515003	Marchiondo, A. (1988) Evaluation of the Effect of Repeated Vacuum Cleaning on the Duration of Efficacy of EctoGard Fogger with Tenocide Insect Growth Regulator for Prevention of Adult Flea Emergence in Carpeting: Lab Project Number: 8823. Unpublished study prepared by Professional Laboratory and Research Services, Inc. 7 p.

MRID #	Citation
41515004	Marchiondo, A. (1988) Determination of the Effect of Ultraviolet Radiation on the Efficacy of EctoGard Fogger with Tenocide Insect Growth Regulator for Prevention of Adult Flea Emergence in Carpeting: Lab Project Number: 8824. Unpublished study prepared by Professional Laboratory and Research Services, Inc. 6 p.
41519800	Roussel Bio Corp. (1990) Submission of chronic toxicity studies in response to Allethrin Data Call-In Notice. Transmittal of 4 studies.
41519801	Savary, M. (1988) Two-generation Reproduction Toxicity Study in Rats: Esbiothrin: Lab Project Number: 1690 RSR. Unpublished study prepared by Centre International de Toxicologie. 945 p.
41519802	Petra, D. (1987) Toxicity Study in Beagle Dogs by Repeated Oral Administration in Diet for 52 Weeks: Esbiothrin: Lab Project Number: 2181- TCC. Unpublished study prepared by Centre International de Toxicologie. 415 p.
41519803	Simonnard, A. (1990) Combined Chronic Toxicity/Oncogenicity Study by Repeated Dietary Administration to Rats (104 weeks): Esbiothrin: Lab Project Number: 2253 TCR. Unpublished study prepared by Centre International de Toxicologie. 3493 p.
41519804	Simonnard, A. (1990) 102-Week Dietary Carcinogenicity Study in Mice: Esbiothrin: Lab Project Number: 1669 TCS. Unpublished study prepared by Centre International de Toxicologie. 1298 p.
41528400	Fermenta Animal Health Co. (1990) Submission of Product Chemistry Data in Support of Registration of Ectogard Pet Spray with Tenocide Insect Growth Regulator. Transmittal of 1 study.
41528401	Vasquez, K. (1990) Ectogard Pet Spray with Tenocide Insect Growth Regulator: Product Chemistry Data. Unpublished study prepared by Fermenta Animal Health Co. 14 p.
41528500	Fermenta Animal Health Co. (1990) Submission of Product Chemistry Data in Support of Registration of Ectogard. Transmittal of 1 study.
41528501	Vasquez, K. (1990) Ectogard Aerosol House and Carpet Spray with Tenocide Insect Growth Regulator: Product Chemistry Data. Unpublished study prepared by Fermenta Animal Health Co. 14 p.
41543900	Chung Hsi Chemical Plant, Ltd. (1990) Submission of Data To Support the Application to Register Good Nite Mosquito Mat: Product Chemistry Study. Transmittal of 1 study.
41543901	Yamaguchi, T. (1990) Technical Information on Inert Ingredients in Good Nite Mosquito Mat. Unpublished study prepared by Sumitomo Chemical Co. 12 p.
41544400	Chem Tech, Ltd. (1990) Resubmission of Chemistry Data in Support of 47000-79. Transmittal of 1 study.
41544401	Melton, J. (1989) 47000-79: Lab Project Number: FIA-79. Unpublished study prepared by Chem-Tech, Ltd. 32 p.
41577600	Chemsico (1987) Submission of Product Chemistry Data to Support the Registration of Chemsico Extra Strength Microencapsulated Ant & Roach Killer. Transmittal of 1 study.
41577601	Pauls, H. (1987) Chemsico Extra Strength Microencapsulated Ant & Roach Killer: Lab Project I.D.: PLF 3-81A. Unpublished study prepared by Chemsico. 4 p.
41580600	McLaughlin Gormley King Co. (1990) Submission of Chemistry Data in Support of Esbiol Fogging Concentrate 2263 Amended Registration. Transmittal of 1 study.
41580601	Carlson, D. (1989) Esbiol Fogging Concentrate 2263: Storage Stability Data. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
41584100	Percut-Chemie AG (1990) Submission of Product Chemistry and Toxicological Data to Support the Registration of Perycut's Insect Killer. Transmittal of 8 studies.
41584101	Horton, W.; Conn, R. (1990) Product Identity and Composition of Perycut's Insect Killer. Unpublished study prepared by Stewart Pesticide Registration Associates, Inc. 35 p.
41584102	Horton, W.; Conn, R. (1990) Analysis and Certification of Product Ingredients of Perycut's Insect Killer. Unpublished study prepared by Stewart Pesticide Registration Associates, Inc. 19 p.

MRID #	Citation
41584103	Horton, W.; Conn, R. (1990) The Physical and Chemical Characteristics of Perycut's Insect Killer. Unpublished study prepared by Stewart Pesticide Registration Associates, Inc. 8 p.
41584104	Smith, S. (1986) Acute Oral Toxicity Study in Rats with Insekten-killer--Topical: Study No.: 480-2698. Unpublished study prepared by American Biogenics Corp. 14 p.
41584105	Smith, S. (1986) Acute Dermal Toxicity Study in Rabbits using Insectkiller--Topical: Study No.: 4-280-/2699. Unpublished study prepared by American Biogenics Corp. 15 p.
41584106	Arts, I. (1989) Acute (4-hour) Inhalation Toxicity Study with "Insekten Killer" in Rats: Study No.: B89-0161. Unpublished study prepared by TNO-CIVO Industries. 22 p.
41584107	Smith, S. (1986) Primary Eye Irritation Study in Rabbits with Insektenkiller--Topical: Study No.: 480-2700. Unpublished study prepared by American Biogenics Corp. 17 p.
41584108	Smith, S. (1986) Primary Dermal Irritation Study in Rabbits with Insektenkiller--Topical: Study No.: 480-2701. Unpublished study prepared by American Biogenics Corp. 16 p.
41629400	McLaughlin Gormley King Co. (1990) Submission of Storage Stability Study in Support of Registration of D-TRANS Intermediate 1957. Transmittal of 1 study.
41629401	Carlson, D. (1990) Storage Stability Data: D-TRANS Intermediate 1957. Unpublished study prepared by McLaughlin Gormley King Co. 14 p.
41632200	Roussel Bio Corp. (1990) Submission of toxicity data in response to a data call-in for Esbiothrin Technical (Allethrin stereoisomers). Transmittal of 2 studies.
41632201	Lochry, E. (1990) Developmental Toxicity (Embryo-Fetal Toxicity and Teratogenic Potential) Study of Esbiothrin Technical Administered Orally via Gavage to CRL: CD BR VAF/Plus Presumed Pregnant Rats: Lab Project Number: 718-001. Unpublished study prepared by Argus Research Labs, Inc. 439 p.
41632202	Hoberman, A. (1990) Developmental Toxicity (Embryo-Fetal Toxicity and Teratogenic Potential) Study of Esbiothrin Technical Administered Orally via Stomach Tube to New Zealand White Rabbits: Lab Project Number: 718-002. Unpublished study prepared by Argus Research Labs, Inc. 441 p.
41637400	Fermenta Animal Health Company/Scientific Research Assoc's. (1990) Submission of toxicity data (target animal safety) to support the registration of EctoGard Pet Spray. Transmittal of 1 study.
41637401	Stroh, S.; Heimbichner, D. (1990) Target Species Safety Studies with EctoGard Pet Spray Formulation in Canines and Felines: Final Report: Lab Project Number: 2229. Unpublished study prepared by Fermenta Animal Health. 95 p.
41641200	Waterbury Companies, Inc. (1990) Submission of Chemistry Data in Support of CB-305 Fogger. Transmittal of 1 study.
41641201	Drury, P. (1990) CB-305 Fogger: Product Chemistry Data. Unpublished study prepared by Waterbury Companies, Inc. 8 p.
41648500	MCLAUGHLIN GORMLEY KING COMPANY (1990) Submission of Product Chemistry Data to Support the One Year Storage Stability Study. Transmittal of 1 Study.
41648501	Carlson, D. (1990) Storage Stability Data: Multicide Concentrate 2544. Unpublished study prepared by MC LAUGHLIN GORMLEY KING COMPANY. 6 p.
41656900	Roussel Bio Corp. (1990) Submission of Product Chemistry Data to Support the Cypermethrin/Esbiothrin/Piperonyl Butoxide Registration. Transmittal of 1 Study.
41656901	Essig, K. (1989) Stability & Analytical Procedures: Lab Project Number: NB/88/16. Unpublished study prepared by Roussel Bio- Corp. 14 p.
41657300	Hartz Mountain Corp. (1990) submission of Product Chemistry Data and Toxicity Data to Support the Registration of Hartz Dog Flea & Tick Killer with Allethrin. Transmittal of 6 Studies.
41657301	Perlberg, W. (1990) Stability Report: Test Sample #1069/33/1: Lab Project Number: 1069/33/1. Unpublished study prepared by The Hartz Mountain Corp. 8 p.

MRID #	Citation
41657302	Barbera, J. (1990) Acute Oral Toxicity Testing of Hartz Mountain Corporation: Sample #8980: Lab Project Number: ASSAY/#/904046. Unpublished study prepared by Leberco Testing, Inc. 21 p.
41657303	Barbera, J. (1990) Acute Dermal Toxicity of Hartz Mountain Corporation: Sample # 8980: Lab Project Number: ASSAY/#/904047. Unpublished study prepared by Leberco Testing, Inc. 20 p.
41657304	Barbera, J. (1990) Primary Eye Irritation: Hartz Mountain Sample # 8980: Lab Project Number: ASSAY/#/904045. Unpublished study prepared by Leberco Testing, Inc. 26 p.
41657305	Barbera, J. (1990) Primary Dermal Irritation Hartz Mountain: Sample # 8980: Lab Project Number: ASSAY/#/904048. Unpublished study prepared by Leberco Testing, Inc. 17 p.
41657306	Barbera, J. (1990) Delayed Contact Hypersensitivity in Guinea Pigs of Hartz Mountain: Sample # 8980: Lab Project Number: ASSAY # 904050. Unpublished study prepared by Leberco Testing, Inc. 36 p.
41670800	Roussel Bio Corp. (1990) Submission of Data To Support Registration of Esbiol: Toxicology Study. Transmittal of 1 study.
41670801	Jackson, G.; Hardy, C.; Singh, H.; et al. (1989) Esbiol Acute Inhalation Toxicity in Rats. 4 Hour Exposure: Lab Project Number: RSL 789/89630. Unpublished study prepared by Huntingdon Research Centre Ltd. 54 p.
41674500	Waterbury Companies, Inc. (1990) Submission of Product Chemistry Data to Support the Registration of the Purge V. Transmittal of 1 Study.
41674501	Drury, P.; Ryerson, S. (1990) Product Chemistry Data: Purge V. Unpublished study prepared by Waterbury Companies, Inc. 9 p.
41678100	McLaughlin Gormley King Co. (1990) Submission of Toxicity Data in support of MGK Intermediate 2007 Registration. Transmittal of 4 studies.
41678101	Gabriel, D. (1990) MGK Intermediate 2007 Code No. 356-90: Acute Oral Toxicity, LD50-Rats: Lab Project Number: 90-6978A. Unpublished study prepared by Biosearch Inc. 21 p.
41678102	Bielucke, J. (1990) MGK Intermediate 2007 Code No. 356-90: Primary Eye Irritation-Rabbit: Lab Project Number: 90-6978A. Unpublished study prepared by Biosearch Inc. 13 p.
41678103	Ventura, P. (1990) MGK Intermediate 2007 Code No. 356-90: Primary Skin Irritation-Rabbits: Lab Project Number: 90-6978A. Unpublished study prepared by Biosearch Inc. 10 p.
41678104	Romanelli, P. (1990) MGK Intermediate 2007 Code No. 356-90: Guinea Pig Dermal Sensitization-Modified Buehler Method: Lab Project Number: 90-6978A. Unpublished study prepared by Biosearch Inc. 20 p.
41682300	Unicorn Laboratories (1990) Submission of Product Chemistry Data to Support the Registration of Unicorn Fogger #5. Transmittal of 1 Study.
41682301	McLaughlin Gormley King (1990) Unicorn Fogger #5: End Use Product Chemistry: Lab Project Number: 90/100. Unpublished study prepared by McLaughlin Gormley King. 8 p.
41686800	AeroTech Labs (1990) Submission of Product Chemistry Data to Support the Registration of ME-TOO. Transmittal of 1 Study.
41686801	Rousell-Bio Corp. (1990) Pesticide Product Chemistry for an End Use Product. Unpublished study prepared by Rousell-Bio Corp. 9 p.
41686900	AeroTech Labs (1990) Submission of Data To Support the Application for Registration of Me-Too Product: Product Chemistry Study: Trans-Act. Transmittal of 1 study.
41686901	Rousell-Bio Corp. (1990) Pesticide Product Chemistry for an End Use Product (Trans-Act). Unpublished study. 7 p.
41690300	Chase Products Co. (1990) Submission of Chemistry Data in Support of SprayPak Flying & Crawling Insect Killer Formula 2: New Product Application - Cite All Method. Transmittal of 1 study.
41690301	Hernandez, A. (1990) Product Chemistry Data: Spraypak Flying & Insect Killer Formula 2: Lab Project Number: 90-01. Unpublished study prepared by Chase Products Co. 8 p.

MRID #	Citation
41691300	Roussel Bio Corp. (1990) Submission of Toxicity Data in support of Allethrin Stereoisomers Registration Standard. Transmittal of 1 study.
41691301	Henwood, S. (1990) 3-Week Dermal Toxicity Study with Esbiothrin in Rabbits: Lab Project Number: RBC-EBT-3: HLA 6298-102: 89-126. Unpublished study prepared by Hazleton Laboratories America, Inc. 245 p.
41692300	Chase Products Co. (1990) Submission of Chemistry Data in support of New Product Application: SprayPak Indoor Insect Fogger Formu- la 2: Cite All Method. Transmittal of 1 study.
41692301	Hernandez, A. (1990) Product Chemistry Data: Indoor Insect Fogger, Formula 2: Lab Project Number: 89-01. Unpublished study prepar- ed by Chase Products Co. 8 p.
41692700	Unicorn Laboratories (1990) Submission of Product Chemistry Data in Support of Unicorn House & Carpet Spray #6 Application for Regi- stration. Transmittal of 1 study.
41692701	McLaughlin Gormley King Co. (1990) Unicorn House & Carpet Spray #6: End Use Product Chemistry: Lab Project Number: 90-107. 8 p.
41716900	Roussel Bio Corp. (1990) Submission of Data To Support New Product Registration of Tralex Aerosol: Product Chemistry, Efficacy and Toxicology Studies. Transmittal of 10 studies.
41716901	Johnson, D.; Puchalski, R. (1990) Product Chemistry: (Tralex Aerosol-Esbiothrin, MGK-264, Tralomethrin): Lab Project Number: PD 88007. Unpublished study prepared by Roussel Bio Corp. 16 p.
41716902	Roussel, D. (1990) Efficacy of an Oil Based Tralomethrin Aerosol as a Contact Spray against Deer Ticks and Brown Dog Tick Nymphs: Lab Project Number: PD 88007. Unpublished study prepared by Roussel Bio Corp. 10 p.
41716903	Roussel, D. (1989) Efficacy of an Oil Based Tralomethrin Aerosol as a Direct Spray against the Cat Flea, Ctenocephalides felis: Lab Project Number: PD 88007. Unpublished study prepared by Roussel Bio Corp. 11 p.
41716904	Marino, N. (1989) Relative Efficacy of an Oil Based Tralomethrin Aerosol as a Direct Spray against the German Cockroach, Blatella Germanica: Lab Project Number: PD 88007. Unpublished study prepared by Roussel Bio Corp. 12 p.
41716905	Gabriel, D. (1989) Prefill Solution for Esbiothrin 0.25%/MGK-264 1.00%/Tralomethrin 0.5% Insecticide Aerosol (...): Acute Oral Toxicity, Two Levels-Rats: Lab Project Number: 89-6823A. Unpublished study prepared by Biosearch Inc. 11 p.
41716906	Gabriel, D. (1989) Prefill Solution for Esbiothrin 0. 25%/MGK-264 1.00%/Tralomethrin 0.5% Insecticide Aerosol (...): Acute Dermal Toxicity, Single Level - Rabbits: Lab Project Number: 89-6823A. Unpublished study prepared by Biosearch Inc. 9 p.
41716907	Bielucke, J. (1989) Prefill Solution for Esbiothrin 0.25%/MGK-264 1.00%/Tralomethrin 0.5% Insecticide Aerosol (...): Primary Eye Irritation - Rabbits: Lab Project Number: 89-6823A. Unpublished study prepared by Biosearch Inc. 11 p.
41716908	Gabriel, D. (1989) Prefill Solution for Esbiothrin 0.25%/MGK-264 1.00%/Tralomethrin 0.05% Insecticide Aerosol (...): Primary Skin Irritation-Rabbits: Lab Project Number: 89-6823A. Unpublished study prepared by Biosearch Inc. 9 p.
41716909	Bielucke, J. (1989) Prefill Solution for Esbiothrin - 0.25%/MGK-264 1.00%/Tralomethrin 0.05% Insecticide Aerosol (...): Guinea Pig Dermal Sensitization - Modified Buehler Method: Lab Project Number: 89-6823A. Unpublished study prepared by Biosearch Inc. 16 p.
41716910	Holbert, M. (1990) Acute Inhalation Toxicity Study in Rats with Prefill Solution for Esbiothrin - 0.25%/MGK-264 1.00%/Tralo- methrin 0.05% Insecticide Aerosol (...): Lab Project Number: 7311-90. Unpublished study prepared by Stillmeadow, Inc. 21 p.
41720600	MGK Co. (1990) Submission of storage stability data to support the registration of D-Trans Intermediate 1818. Transmittal of 1 study.

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41720601	Carlson, D. (1990) Storage Stability Data: D-Trans Intermediate 1818. Unpublished study prepared by MGK Co. 11 p.
41726500	Mclaughlin Gormley King Co. (1990) Submission of Product Manufactu- ring Data to Support the Application for Registration of Esboil. Transmittal of 1 Study.
41726501	Carlson, D. (1990) Storage Stability Data Esboil Industrial and Household Space: Lab Project Number: GLP-227. Unpublished study prepared by Mclaughlin Gormley King Co. 6 p.
41753000	Fermenta Animal Health Co./SRA International, Inc. (1991) Submission of Efficacy Data to Support the Supplementary Data for new Product Registration of EctoGard Pet Spray with Tenocide Transmittal of 1 Study.
41753001	Young, R. (1991) Evaluation of the Adulticidal, Ovicidal and Larvi- cidal Efficacy of EctoGard Pet Spray Against Adult Fleas and Flea Ova Shed From Treated Dogs: Lab Project Number: FX-8811. Unpublished study prepared by Young Veterinary Research. 47 p.
41761000	Rainbow Technology Corp. (1991) Submission of Product Chemistry Data to Support the Application for Registration of Rainbow Wasp & Ant Spray. Transmittal of 1 Study.
41761001	Lynn, S.; Davis, K. (1990) Product Chemistry Data of Rainbow WASP & Ant Spray: Lab Project Number: 90-GR-0013. Unpublished study prepared by Toxikon Corp. 51 p.
41763100	Farmol Safca (1990) Submission of Product Chemistry, Toxicity, and Efficacy Data to Support the Application for Registration of Mosquito Supermat. Transmittal of 7 Studies.
41763101	Sumitomo Chemical Co., Ltd. (1980) Physico-Chemical Properties of Pynamin Forte: Lab Project Number: KP-00-0007: Unpublished Study. 8. p.
41763102	Kadoca, T. (1979) Acute Inhalation Toxicity of Pynamin Forte in Mice and Rats: Lab Project Number: KT-70-0010. Unpublished Study prepared by Sumitomo Chemical Co., Ltd. 12 p.
41763103	Kohada, H.; Kawaguchi, S.; Seki, T.; et al. (1982) Acute Inhalation Toxicity of Pynamin Forte Mosquito Mats in Rats: Lab Project Number: KT-20-0051. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 5 p.
41763104	Sumitomo Chemical Co., Ltd. (1980) Stability of Pynamin Forte: Lab Project Number: KP-00-0001: Unpublished Study. 14 p.
41763105	Sumitomo Chemical Co., Ltd. (1980) Review of Toxicology on Pynamin Forte: Lab Project Number: KT-00-0027: Unpublished Study. 23 p.
41763106	Sumitomo Chemical Co., Ltd. (1980) Efficacy of Pynamin Forte in Mosquito Mat: Lab Project Number: PF-14: Unpublished Study. 10 p.
41763107	Horiba, M.; Yamamoto, S. (1980) Determination of Pynamin Forte in Mosquito Mat: Lab Project Number: KA-00-0007. Unpublished study prepared by Institute for Biological Science, Hyogo, Japan. 9 p.
41771900	Mclaughlin Gormley King Co. (1990) Submission of Toxicity and Product Chemistry Data to Support the Application for Pesticide Registration of Multicide Fogging Concentrate 2468. Transmittal of 7 Studies.
41771901	Gabriel, D. (1989) F-2468 Code No. 699-89: Acute Oral Toxicity, Single Level-Rats: Lab Project Number: 89-6803A. Unpublished Study prepared by Biosearch Incorporated. 8 p.
41771902	Gabriel, D. (1989) F-2468 Code No. 699-89: Acute Dermal Toxicity, Single Level-Rabbits: Lab Project Number: 89-6803A. Unpublished Study prepared by Biosearch Incorporated. 9 p.
41771903	Hershman, R. (1989) F-2468 Code No. 699-89: Acute Inhalation Toxic- ity, LC50, 4 Hour Exposure-Rats: Lab Project Number: 89-6803A. Unpublished study prepared by Biosearch Incorporated. 44 p.
41771904	Bielucke, J. (1989) F-2468 Code No. 699-89: Primay Eye Irritation Rabbits: Lab Project Number: 89-6803A. Unpublished study prepared by Biosearch Incorporated. 11 p.
41771905	Gabriel, D. (1989) F-2468 Code No. 699-89: Primay Skin Irritation- Rabbits: Lab Project Number: 89-6803A. Unpublished study prepared by Biosearch Incorporated. 9 p.

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41771906	Bielucke, J. (1989) F-2468 Code No. 699-89: Guinea Pig Dermal Sensitization-Modified Buehler Method: Lab Project Number: 89-6803A. Unpublished study prepared by Biosearch Incorporated. 16 p.
41771907	Carlson, D. (1990) Storage Stability Data: Muticide Fogging Concentrate 2468. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
41774800	Speer Products, Inc. (1991) Submission of product chemistry data to support the registration of Speer Residual Pressurized Spray. Transmittal of 1 study.
41774801	Speer Products, Inc. (1991) Speer Residual Pressurized Spray: Lab Project Number: 1991-4. Unpublished study. 13 p.
41775000	Speer Products, Inc. (1991) Submission of product chemistry data to support the registration of SPI Total Release Fogger II. Transmittal of 1 study.
41775001	Speer Products, Inc. (1991) SPI Total Release Aerosol Fogger II: Lab Project Number: 1991-6. Unpublished study. 13 p.
41791300	McLaughlin Gormley King Co. (1991) Submission of Chemistry data in support of Multicide Total Release Aerosol 2554 in response to agency's letter dated January 3, 1991. Transmittal of 1 study.
41791301	Carlson, D. (1979) Storage Stability Data: Multicide Intermediate 2119. Unpublished study prepared by McLaughlin Gormley King Co. 9 p.
41807900	Fermenta Animal Health Co. (1991) Submission of Supplementary Data for New Product Registration: Ectogard Pet Spray Formulation with Tenocide Insect Growth Regulator: Toxicology Study. Transmittal of 1 study.
41807901	Stroh, S.; Heimbichner, D. (1991) Target Animal Safety Study with Ectogard Pet Spray Formulation in Kittens: Lab Project Number: 2239. Unpublished study prepared by Fermenta Animal Health Research Center. 36 p.
41810300	McLaughlin Gormley King Co. (1991) Submission of Data To Support New Registration of Resubmission Evercide Concentrate 2560: Toxicology and Storage Stability Studies. Transmittal of 7 studies.
41810301	Gabriel, D. (1990) F-2560 Code No. 526-90: Acute Oral Toxicity, Single Level-Rats: Lab Project Number: 90-7053A. Unpublished study prepared by Biosearch Inc. 10 p.
41810302	Gabriel, D. (1990) F-2560 Code No. 526-90: Acute Dermal Toxicity, Single Level-Rabbits: Lab Project Number: 90-7053A. Unpublished study prepared by Biosearch Inc. 13 p.
41810303	Hershman, R. (1990) F-2560 Code No. 526-90: Acute Inhalation Toxicity, Single, 4-Hour Exposure-Rats: Lab Project No: 90-7053A. Unpublished study prepared by Biosearch Inc. 25 p.
41810304	Bielucke, J. (1990) F-2560 Code No. 526-90: Primary Eye Irritation- Rabbits: Lab Project Number: 90-7053A. Unpublished study prepared by Biosearch Inc. 13 p.
41810305	Romanelli, P. (1990) F-2560 Code No. 526-90: Primary Skin Irritation - Rabbits: Lab Project Number: 90-7053A. Unpublished study prepared by Biosearch Inc. 11 p.
41810306	Romanelli, P. (1990) F-2560 Code No. 526-90: Guinea Pig Dermal Sensitization - Modified Buehler Method: Lab Project Number: 90-9053A. Unpublished study prepared by Biosearch Inc. 20 p.
41810307	Carlson, D. (1991) Storage Stability Data: Evercide Concentrate 2560. Unpublished study prepared by McLaughlin Gormley King Co. 8 p.
41812700	McLaughlin Gormley King Co. (1991) Resubmission of Data To Support Registration of MGK Intermediate 2007: Toxicology Study. Transmittal of 1 study.
41812701	Gabriel, D. (1990) MGK Intermediate 2007 Code No. 356-90: Acute Dermal Toxicity, Single Level - Rabbits: Lab Project No: 90-6978A. Unpublished study prepared by Biosearch Inc. 12 p.
41837200	Chase Products Co. (1991) Resubmission of Data To Support the Registration of Chase-MM Flying Insect Killer, Formula 2: Product Chemistry Study. Transmittal of 1 study.

MRID #	Citation
41837201	Hernandez, A. (1991) Product Chemistry Data: Chase-MM Flying Insect Killer, Formula 2: Lab Project Number: 91-01. Unpublished study prepared by Chase Products Co. 20 p.
41843400	Fermenta Animal Health (1991) Submission of Chemistry data in support of EctoGard Pet Spray registration. Transmittal of 1 study.
41843401	Hanna, G. (1991) One Year Storage Stability: EctoGard Pet Spray. Unpublished study prepared by Fermenta Animal Health Co. 4 p.
41855200	Walco-Linck Co. (1991) Submission of Data To Support Registration of TAT Roach & Ant with Residual Action 2491: Product Chemistry Data. Transmittal of 1 study.
41855201	Davis, K. (1991) Product Chemistry Data of TAT Roach & Ant with Residual Action 2491: Lab Project Number: 506AE. Unpublished study prepared by RegWest Co. 14 p.
41857000	Roussel Bio Corp. (1991) Submission of Product Chemistry Data to Support the Additional Stability Data of Crossfire TRA. Transmittal of 1 Study.
41857001	Essig, K. (1991) Storage Stability SBP-1382/EBT/PBO: Lab Project Number: NB-88-3:4B. Unpublished study prepared by Roussel Bio Corp. 10 p.
41857100	Roussel Bio Corp. (1991) Submission of Product Chemistry Data to Support the Registration of Crossfire TRA. Transmittal of 1 Study.
41857101	Essig, K. (1991) Storage Stability SBP-1382/EBT/PBO: Lab Project Number: NB-88-3:4B. Unpublished study prepared by Roussel Bio Corp. 10 p.
41869400	Roussel Bio Corp. (1991) Submission of storage stability data to support the registration standard for the active ingredients in Crossfire TRA. Transmittal of 1 study.
41869401	Essig, K. (1991) Storage Stability: SBP-1382;EBT;PBO (Crossfire TRA Formula II): Lab Project Number: NB-88-3:4B. Unpublished study prepared by Roussel Bio Corp. 10 p.
41872200	Combe, Incorporated (1991) Submission of Data to Support the Registration of Sulfodene Scratchex Flea and Tick Shampoo-B: Product Chemistry Data. Transmittal of 1 Study.
41872201	Stewart, R. (1991) Sulfodene Scratchex Flea and Tick Shampoo-B: Storage Stability of Flea and Tick Shampoo-B: Lab Project Number 4306-RO: 05/91. Unpublished study prepared by Combe Research and Development Dept. 4 p.
41881900	Family Products SDN. BHD. (1991) Submission of product chemistry and toxicity data to support the registration of Family Mosquito Coils. Transmittal of 9 studies.
41881901	Davis, K. (1991) Product Chemistry Data (61 Series) of Family Mosquito Coils: Lab Project Number: FMC2. Unpublished study prepared by RegWest Co. 28 p.
41881902	Davis, K. (1991) Product Chemistry Data (62 Series) of Family Mosquito Coils: Lab Project Number: FMC3. Unpublished study prepared by RegWest Co. 8 p.
41881903	Savage, J. (1990) Family Mosquito Coils: Physical and Chemical Properties: Lab Project Number: FPS-01. Unpublished study prepared by Dartec Inc. 40 p.
41881904	Robbins, G. (1991) Acute Oral Toxicity in Rats ?Family Mosquito Coils . Lab Project Number: A3110. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
41881905	Robbins, G. (1991) Acute Dermal Absorption in Rabbits ?Family Mosquito coils . Lab Project Number: B3110. Unpublished study prepared by Cosomopolitan Safety Evaluation, Inc. 24 p.
41881906	Robbins, G. (1991) Acute Inhalation Study in Rats ?Family Mosquito Coils . Lab Project Number: C3110. Unpublished study prepared by Cosomopolitan Safety Evaluation, Inc. 31 p.
41881907	Robbins, G. (1991) Primary Eye Irritancy Study in Rabbits ?Family Mosquito Coils . Lab Project Number: D3110. Unpublished study prepared by Cosomopolitan Safety Evaluation, Inc. 22 p.
41881908	Robbins, G. (1991) Primary Skin Irritancy in Rabbit (Family Mosquito Coils): Lab Project Number: E3110. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 17 p.
41881909	Robbins, G. (1991) Guinea Pig Sensitization (Buehler) ?Family Mosquito Coils . Lab Project Number: E3110. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 17 p.

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41898500	Sumitomo Chemical Co. Ltd. and Roussel Bio Corp. (1991) Submission of metabolism data to support the Allethrin registration standard. Transmittal of 2 studies.
41898501	Ruzo, L.; Krautter, G.; Jiang, J. (1991) Absorption, Distribution, Elimination and Metabolism of (Carbon 14 alcoholol)-d-trans-Allethrin in the Rat: Lab Project Number: 418E/219W. Unpublished study prepared by Pharmacology and Tox. Research Lab-West, Inc. and Pharmacology and Tox Research Lab-East, Inc. 354 p.
41898502	Ruzo, L.; Krautter, G.; Jiang, J. (1991) Absorption, Distribution, Elimination, and Metabolism of (Carbon 14-acid)-d-trans-Allethrin in the Rat: Lab Project Number: 417E/215W. Unpublished study prepared by Pharmacology and Tox Research Lab-West, Inc. and Pharmacology and Tox Research-East, Inc. 359 p.
41903500	Roussel Bio Corp. (1991) Submission of Data To Support Registration Bioram 0.15%+0.25% Insecticide Aqueous Pressurized Spray: Risk Assessment Study. Transmittal of 1 study.
41903501	DeProso, J. (1991) Bioram Risk Assessment: Lab Project Number: RBT-91-123. Unpublished study prepared by Roussel Bio Corp. 19 p.
41907000	McLaughlin Gormley King Co. (1991) Submission of Data To Support Evercide Residual Pressurized Spray 2523 Registration: Storage Stability Data. Transmittal of 1 study.
41907001	Carlson, D. (1990) Storage Stability Data: Evercide Residual Pressurized Spray 2523. Unpublished study prepared by McLaughlin Gormley King Co. 13 p.
41908200	Hartz Mountain Corp. (1991) Submission of Data To Support Registration of Hartz 2 in 1 Flea & Tick Killer for Dogs and Cats with Allethrin-Fine Mist Spray: Toxicology Study. Transmittal of 1 study.
41908201	Barbera, J. (1990) Acute Inhalation Toxicity Testing Hartz Mountain Corporation, Sample 8980-1, Clear Liquid: Lab Project Number: ASSAY/NO/904049. Unpublished study prepared by Leberco Testing, Inc. 30 p.
41913800	Roussel Bio Corporation (1991) Submission of toxicity data in support of registration of esbiothrin/cypermethrin/piperonyl butoxide. Transmittal of 1 study.
41913801	James, C. (1991) Guinea Pig Sensitization Study: Buehler Method Using Test Article Esbiothrin/Cypermethrin/Piperonyl Butoxide (0.1%-0.05%-0.4%): Lab Project Number: 64883-17. Unpublished study prepared by Arthur D. Little, Inc. 36 p.
41918100	Hartz Mountain Corp. (1991) Submission of product chemistry and toxicity data in support of a product application for Hartz Rid Flea Plus Shampoo for Dogs. Transmittal of 8 studies.
41918101	Perlberg, W. (1991) Product Chemistry Data Requirements. Unpublished study prepared by The Hartz Mountain Corporation. 10 p.
41918102	Barbera, J. (1990) Acute Oral Toxicity Testing of Hartz Mountain Corporation Sample # 9252: Lab Project Number: 907945: 1129. Unpublished study prepared by Leberco Testing, Inc. 20 p.
41918103	Barbera, J. (1990) Acute Dermal Toxicity of Hartz Mountain Corporation Sample # 9252: Lab Project Number: 907946: 1130. Unpublished study prepared by Leberco Testing, Inc. 17 p.
41918104	Barbera, J. (1990) Primary Eye Irritation Hartz Mountain Sample # 9252: Lab Project Number: 907944: 1128. Unpublished study prepared by Leberco Testing, Inc. 20 p.
41918105	Barbera, J. (1990) Primary Dermal Irritation Hartz Mountain Sample # 9252: Lab Project Number: 907947: 1131. Unpublished study prepared by Leberco Testing, Inc. 16 p.
41918106	Barbera, J. (1991) Delayed Contact Hypersensitivity in Guinea Pigs: Modified Buehler Method (1965) of Hartz Mountain Sample # 9252: Lab Project Number: 907948: 1132. Unpublished study prepared by Leberco Testing, Inc. 25 p.
41918107	Sharp, M. (1991) Domestic Animal Safety and Eye Irritation Effects of a Single Dose Dermal Treatment on Dogs: Lab Project Number: 1153. Unpublished study prepared by Sharp Veterinary Research 15 p.

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41918108	Sharp, M. (1991) Domestic Animal Safety: Eye Irritation Effects of a Single Dose Optical Treatment on Dogs: Lab Project Number: 1155. Unpublished study prepared by Sharp Veterinary Research 15 p.
41934400	Ray Todd Chemicals, Ltd. (1991) Submission of Product Chemistry Data in Support of Registration of Bug Mat. Transmittal of 1 study.
41934401	Weintraub, P. (1991) Manufacturing Process for Bug Mat. Unpublished study prepared by Insect Control and Research, Inc. 16 p.
41935200	Roussel Bio Corp. (1991) Submission of product chemistry data to support the "me-too" registration of Crossfire (esbiothrin). Transmittal of 1 study.
41935201	Mucal, T. (1989) Storage Stability SBP-1382/EBT/PBO 0.2%+0.1+0.4 APS: Lab Project Number: NB-88-1: 48C. Unpublished study prepared by Roussel Bio Corp. 8 p.
41943600	Roussel Bio Corp. (1991) Submission of product chemistry data in support of reregistration of Esbiol. Transmittal of 2 studies.
41943601	Giudecelli, J. (1988) Product Identity and Composition of Esbiol Technical: Lab Project Number: STE-058-A-03-2/61. Unpublished study prepared by Roussel Uclaf. 30 p.
41943602	Giudicelli, J. (1988) Analysis and Certification of Esbiol Technical: Lab Project Number: STE-058-A-03-2/62. Unpublished study prepared by Roussel Uclaf. 59 p.
41950500	ConAgra Pet Products (1991) Submission of product chemistry data in support of changes in confidential statement of formula for Skip-Flea Shampoo. Transmittal of 1 study.
41950501	ConAgra Pet Products Co. (1991) Product Chemistry Data for Sergeant's Skip-Flea Shampoo. Unpublished study. 13 p.
41953800	Roussel Bio Corp. (1991) Submission of Data to Support the Response to Reregistration of Esbiothrin (d/l allethrolone d-transchrysanthemate: Product Chemistry Data. Transmittal of 2 Studies.
41953801	Giudicelli, J. (1991) Product Chemistry and Composition of Esbiothrin Technical: Lab Project Number: STE-048-A-04-2/61. Unpublished study prepared by Roussel Uclaf. 31 p.
41953802	Giudicelli, J. (1991) Analyse (sic) and Certification of Esbiothrin Technical: Lab Project Number: STE-048-A-2/62. Unpublished study prepared by Roussel Uclaf. 60 p.
41953900	Roussel Bio Corp. (1991) Submission of Data to Support the Response to Reregistration of Bioallethrin (d-trans Allethrin min.): Product chemistry Data. Transmittal of 2 Studies.
41953901	Giudicelli, J. (1991) Product Identity and Composition of Bioallethrin (R) Technical: Lab Project Number: STE-057-A-04-2/61. Unpublished study prepared by Roussel Uclaf. 31 p.
41953902	Giudicelli, J. (1991) Analyse and Certification of Bioallethrin (R) Technical Ingredients: Lab Project Number: STE-057-A-04-2/62. Unpublished study prepared by Roussel Uclaf. 53 p.
41973300	Whitmire Research Laboratories, Inc. (1991) Submission of Data To Support Registration of Whitmire PT 566WB Pyrethrum Insect Fogger: Product Chemistry. Transmittal of 1 study.
41973301	Hutson, M. (1991) Whitmire PT 566WB: Product Chemistry: Lab Project Number: WRL 90-12. Unpublished study prepared by Whitmire Research Labs, Inc. 7 p.
41999500	MGK Co. (1991) Submission of toxicity data in support of registration of D-Trans Residual Spray 2580. Transmittal of 3 studies.
41999501	Gabriel, D. (1991) Acute Oral Toxicity, Single Level--Rats: D-Trans Residual Spray 2580: Lab Project Number: 91-7331A. Unpublished study prepared by Biosearch Inc. 10 p.
41999502	Gabriel, D. (1991) Acute Dermal Toxicity, Single Level--Rabbits: D-Trans Residual Spray 2580: Lab Project Number: 91-7331A. Unpublished study prepared by Biosearch Inc. 13 p.
41999503	Romanelli, P. (1991) Primary Skin Irritation--Rabbits: D-Trans Residual Spray 2580: Lab Project Number: 91-7331A. Unpublished study prepared by Biosearch Inc. 9 p.
42000100	Keane and Associates (1991) Submission of Data To Support Application for Registration of Kilmos E Mosquito Repellent Coils: Storage Stability Study. Transmittal of 1 study.

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42000101	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stability Tests for Kilmos E Mosquito Repellent Coils. Unpublished study prepared by Pyrethrum Board of Kenya. 5 p.
42000200	Keane and Associates (1991) Submission of Data To Support Application for Registration of Kilmos PF Mosquito Repellent Coils: Storage Stability Study. Transmittal of 1 study.
42000201	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stability Tests for Kilmos PF Mosquito Coils. Unpublished study prepared by Pyrethrum Board of Kenya. 5 p.
42000300	Keane and Associates (1991) Submission of Data To Support Application for Registration of Fish Brand PF Mosquito Coils: Storage Stability Study. Transmittal of 1 study.
42000301	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stability Tests for Fish Brand PF Mosquito Coils. Unpublished study prepared by Pyrethrum Board of Kenya. 5 p.
42018900	3M Animal Care Products (1991) Submission of Data to Support the Application for Registration of Duratrol Plus Household Flea Spray: Product Chemistry and Toxicology Studies. Transmittal of 7 studies.
42018901	Pinault, D. (1991) Duratrol Plus Household Flea Spray: Chemistry and Manufacturing. Unpublished study prepared by Animal Care Products/3M. 26 p.
42018902	Hart, J. (1991) Acute Oral Toxicity Screen with Duratrol Plus Household Flea Spray in Albino Rats. Unpublished study prepared by 3M Pharmaceuticals. 13 p.
42018903	Hart, J. (1991) Acute Dermal Toxicity Screen with Duratrol Plus Household Flea Spray in Albino Rabbits: Lab Project Number: 0890AB0476. Unpublished study prepared by 3M Pharmaceuticals. 12 p.
42018904	Holbert, M. (1991) Acute Inhalation Toxicity Study with Duratrol Plus Household Flea Spray in Rats: Lab Project Number: 7936-91. Unpublished study prepared by Stillmeadow Inc. 18 p.
42018905	Hart, J. (1991) Acute Ocular Irritation Test with Duratrol Plus Household Flea Spray in Albino Rabbits: Lab Project Number: 0890EB0473. Unpublished study prepared by 3M Pharmaceuticals. 15 p.
42018906	Hart, J. (1991) Primary Skin Irritation Test with Duratrol Plus Household Flea Spray in Albino Rabbits: Lab Project Number: 0890EB0472. Unpublished study prepared by 3M Pharmaceuticals. 13 p.
42018907	Hart, J. (1991) Dermal Sensitization Test with Duratrol Plus Household Flea Spray in Albino Guinea Pigs: Lab Project Number: 0891MG0236. Unpublished study prepared by 3M Pharmaceuticals. 15 p.
42019100	3M Animal Care Products (1991) Submission of Data to Support the Application for Registration of Duratrol Plus Flea Spray for Dogs: Product Chemistry Data. Transmittal of 1 Study.
42019101	Pinault, D. (1991) Duratrol Plus Flea Spray For Dogs: Chemistry and Manufacturing. Unpublished study prepared by Animal Care Products/3M. 30 p.
42024100	Zobie Industrie Chimiche (1991) Submission of product chemistry data in support of registration of Spira Punks B Outdoor Mosquito Repellent Coils. Transmittal of 1 study.
42024101	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stability Tests for Spira Punks B Mosquito Repellent Coils. Unpublished study prepared by Pyrethrum Board of Kenya. 5 p.
42026400	Zobebe Industrie Chimiche S.P.A. (1991) Submission of product chemistry data in support of registration of Spira Open Air Mosquito Repellent (Bioallethrin Formulation). Transmittal of 2 studies.
42026401	Shah, W. (1991) Product Chemistry Data: Spira Open Air Mosquito Repellent. Unpublished study prepared by Zobebe Industrie Chimiche, S.P.A. 87 p.
42026402	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stability Tests for Spira Open Air Mosquito Repellent Mats (Bioallethrin). Unpublished study prepared by Pyrethrum Board of Kenya. 5 p.
42027300	Zobebe Industrie Chimie S.P.A. (1991) Submission of product chemistry data in support of registration of Spira Air-O-Mat Mosquito Repellent Mats. Transmittal of 2 studies.

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42027301	Shah, W. (1991) Product Chemistry Data: Spira Air O-Mat. Unpubli- shed study prepared by Zobebe Industries Chimiche, S.P.A. 93 p.
42027302	Shah, W. (1991) One Year Accelerated Storage Tests: Storage Stabil- ity Tests for Spira Air-O-Mat Mosquito Repellent Mats. Unpubli- shed study prepared by Pyrethrum Board of Kenya. 5 p.
42035900	Zobebe Industrie Chimiche S.P.A. (1991) Submission of Data to Support the Application for Registration of new Product Spira Punks Outdoor Mosquito Repellent Coils: Product Chemistry Data. Transmittal of 1 Study.
42035901	Keane, P. (1991) Spira Punks Mosquito Repellent Coils (Bioallethrin Formulation). Unpublished study prepared by Zobebe Industrie Chimiche, S.P.A. 76 p.
42049900	Roussel Bio Corp. (1991) Submission of product chemistry data in support of reregistration of Bioallethrin (d-trans Allethrin min.). Transmittal of 1 study.
42049901	Giudicelli, J. (1988) Physical and Chemical Properties of Bioalle- thrin Technical: Lab Project Number: STE-057-A-04-2/63. Unpub- lished study prepared by Roussel Uclaf. 26 p.
42061200	MGK Co. (1991) Submission of Data To Support Registration of ESBIOL Fogging Concentrate 2289: Toxicology Studies. Transmittal of 6 studies.
42061201	Gabriel, D. (1991) Acute Oral Toxicity, Single Level--Rats: ESBIOL Fogging Concentrate 2289: Lab Project Number: 91-7307A. Unpublished study prepared by Biosearch Inc. 10 p.
42061202	Gabriel, D. (1991) Acute Dermal Toxicity, Single Level--Rabbits: ESBIOL Fogging Concentrate 2289: Lab Project Number: 91-7307A. Unpublished study prepared by Biosearch Inc. 13 p.
42061203	Hershman, R. (1991) Acute Inhalation Toxicity, LC50, 4-Hour Exposure--Rats: ESBIOL Fogging Concentrate 2289: Lab Project Number: 91-7307A. Unpublished study prepared by Biosearch Inc. 55 p.
42061204	Moore, G. (1991) Primary Eye Irritation--Rabbits: ESBIOL Fogging Concentrate 2289: Lab Project Number: 91-7307A. Unpublished study prepared by Biosearch Inc. 14 p.
42061205	Reilly, C. (1988) Primary Skin Irritation--Rabbits: ESBIOL Fogging Concentrate 2289: Lab Project Number: 88-6099A. Unpublished study prepared by Biosearch Inc. 9 p.
42061206	Romanelli, P. (1991) Guinea Pig Dermal Sensitization--Modified Buehler Method: Lab Project Number: 91-7307A. Unpublished study prepared by Biosearch Inc. 24 p.
42065500	Reckitt & Colman Household Products (1991) Submission of Data To Support the Application for Registration of Black Flag Ant & Roach Killer-Formula C: Product Chemistry Study. Transmittal of 1 study.
42065501	King, F. (1991) Product Chemistry: "Black Flag Ant and Roach Killer --Formula C". Unpublished study prepared by Research and Development Lab. 129 p.
42065600	Reckitt & Colman Household Products (1991) Submission of Data To Support the Application for Registration of Black Flag Ant & Roach Killer-Formula D: Product Chemistry Study. Transmittal of 1 study.
42065601	King, F. (1991) Product Chemistry: "Black Flag Ant and Roach Killer --Formula D". Unpublished study prepared by Research and Deve- lopment Labs. 129 p.
42065800	Reckitt & Colman Household Products (1991) Submission of Data To Support Registration Application for Black Flag Ant & Roach Killer--Formula E: Product Chemistry Study. Transmittal of 1 study.
42065801	King, F. (1991) Product Chemistry: "Black Flag Ant and Roach Killer --Formula E". Unpublished study prepared by Research and Devel- opment Labs. 129 p.
42070200	Roussel Bio Corp. (1991) Submission of Data to Support the Registration of Bioram 0.15%+0.25% Insecticide Aqueous Pressurized Spray: Efficacy Data. Transmittal of 2 Studies.

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42070201	Boyd, J. (1990) Effectiveness of an Insecticidal Aerosol Spray Product (Bioram 0.15%/0.25% Aqueous Pressurized Spray) as a Contact Spray Against the Deer Tick, Ixodes dammini: Lab Project Number : 10-3314-0390. Unpublished study prepared by P.A.C.E. International. 36 p.
42070202	Boyd, J. (1990) Residual Effectiveness of an Insecticidal Aerosol Spray Product (Bioram 0.15%/0.25% Aqueous Pressurized Spray) on Two Types of Surface Material Against the Deer Tick, Ixodes dammini: Lab Project Number: 10-3304-0290. Unpublished study prepared by P.A.C.E. International. 51 p.
42071900	Zobebe & Industrie Chimiche S.p.A. (1991) Submission of Data to Support the Application for New Product Registration of Spira 30 Nights Mosquito Repellent: Product Chemistry Data. Transmittal of 2 Studies.
42071901	Zobebe Industrie Chimiche, S.p.A. (1991) Spira 30 Nights Mosquito Repellent (Esbiothrin Formulation). 93 p.
42071902	Shah, W. (1991) One Year Accelerated Storage Tests Storage Stability Tests for Spira 30 Nights Mosquito Repellent. Unpublished study prepared by Keane & Associates. 5 p.
42091000	MGK Co. (1991) Submission of toxicity data to support the registration of D-Trans Residual Spray 2580. Transmittal of 3 studies.
42091001	Hershman, R. (1991) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure--Rats: D-Trans Residual Spray 2580: Lab Project Number 91-7331A. Unpublished study prepared by Biosearch Inc. 29 p.
42091002	Hershman, R. (1991) Primary Eye Irritation--Rabbits: D-Trans Intermediate 2247 (Reformatted Report): Lab Project Number: 84-4067A. Unpublished study prepared by Biosearch Inc. 11 p.
42091003	Romanelli, P. (1991) Guinea Pig Dermal Sensitization--Modified Buehler Method: D-Trans Residual Spray 2580: Lab Project Number: 91-7331A. Unpublished study prepared by Biosearch Inc. 20 p.
42106100	Speer Products Inc. (1991) Submission of Data To Support the Application for New Product Registration of SPI Residual Pressurized Spray I: Product Chemistry Study. Transmittal of 1 study.
42106101	Commerford, J. (1991) SPI Residual Pressurized Spray I: Product Chemistry: Lab Project Number: SPEER 1991-16. Unpublished study prepared by Speer Products, Inc. 29 p.
42133300	Roussel Bio Corp. (1991) Submission of product chemistry data in support of reregistration of Esbiothrin. Transmittal of 1 study.
42133301	Giudicelli, J. (1991) Analysis and Chemical Properties of Esbiothrin Technical: Lab Project Number: STE-048-04-2/63. Unpublished study prepared by Roussel Uclaf. 26 p.
42147500	Roussel Bio Corp. (1991) Submission of product chemistry data in support of registration of SBP-1382/pyrethrins/piperonyl butoxide. Transmittal of 1 study.
42147501	Essig, K. (1990) Storage Stability Data: SBP-1382: Lab Project Number: NB-88-14:21. Unpublished study prepared by Roussel Bio Corp. 11 p.
42193300	Roussel Bio Corp. (1992) Submission of Data To Support Allethrin Stereoisomers Reregistration Standard Requirements: Product Chemistry Studies. Transmittal of 3 studies.
42193301	Giudicelli, J. (1988) Product Identity and Composition of Esbiol Technical: Lab Project Number: STE-058-A-03-2/61. Unpublished study prepared by Roussel Uclaf. 30 p.
42193302	Giudicelli, J. (1991) Analysis and Certification of Esbiol Technical: Lab Project Number: STE-058-A-03-2/62. Unpublished study prepared by Roussel Uclaf. 59 p.
42193303	Giudicelli, J. (1991) Physical and Chemical Properties of Esbiol Technical: Lab Project Number: STE-058-A-03-2/63. Unpublished study prepared by Roussel Uclaf. 26 p.
42204100	Perycut-Chemie Ag (1992) Submission of product chemistry data in support of a "me-too" registration for Insectkiller Cockroach Carpet. Transmittal of 1 study.
42204101	Bencsits, F. (1992) Product Chemistry: Insect Killer Cockroach Carpet: Lab Project Number: J-2. Unpublished study prepared by Perycut-Chemie Ag. 10 p.

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42212400	Animal Care Products/3M Health Care (1992) Submission of Data To Support Registration of Duratrol Plus Flea Spray for Dogs: Product Chemistry Study. Transmittal of 1 study.
42212401	Pinault, D. (1992) Duratrol Plus Flea Spray for Dogs: Chemistry and Manufacturing. Unpublished study prepared by Animal Care Products/3M. 8 p.
42233600	Rainbow Technology COrp. (1992) Submission of toxicity data to support the registration of Rainbow Wasp & Ant Spray. Transmittal of 5 studies.
42233601	Robbins, G. (1992) Rainbow Wasp & Ant Spray: Acute Oral Toxicity Study in Rats: Lab Project Number: A3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 19 p.
42233602	Robbins, G. (1992) Rainbow Wasp & Ant Spray: Acute Dermal Absorption in Rabbits: Lab Project Number: B3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 24 p.
42233603	Robbins, G. (1992) Rainbow Wasp & Ant Spray: Acute Inhalation Study in Rats: Lab Project Number: C3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 32 p.
42233604	Robbins, G. (1992) Rainbow Wasp & Ant Spray: Primary Eye Irritancy in Rabbits: Lab Project Number: D3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 22 p.
42233605	Robbins, G. (1992) Rainbow Wasp & Ant Spray: Primary Skin Irritancy on Rabbits: Lab Project Number: E3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 18 p.
42252700	S.C. Johnson & Son, Inc. (1992) Submission of Data To Support Registration of Test Article 6974D55, Mosquito Coil: Toxicology Studies. Transmittal of 1 study.
42252701	IIT Research Institute (1992) Acute Inhalation Toxicity Study in Rats of a Mosquito Candle Fumigator Aerosol Containing Esbiothrin: Final Revised Report: Lab Project Number: L08233. Unpublished study. 45 p.
42260000	Perycut-Chemie Ag (1992) Submission of toxicity data in support of registration of Insectkiller Cockroach Carpet. Transmittal of 1 study.
42260001	Arts, J. (1989) Toxicity Data: Insekten Killer: ?A Response : Lab Project Number: V 89.221. Unpublished study prepared by TNO-CIVO Institutes. 5 p.
42265900	Dymon, Inc. (1992) Submission of Data to Support Registration of Bioram 0.15% + 0.25% Insecticide Aqueous Pressurized Spray: Product Analysis Study. Transmittal of 1 study.
42265901	Weinstock, L. (1992) Analysis of Five Batches of AR-101 by Gas Chromatograph. Unpublished study prepared by Dymon, Inc. 20 p.
42268100	Rainbow Technology Corp. (1992) Submission in Support of Application for Rainbow Wasp & Ant Spray. Transmittal of 1 study.
42268101	Desai, L. (1992) Product Chemistry Data of Rainbow Wasp and Ant Spray: Lab Project Number: 90-GR-0013. Unpublished study prepared by Toxikon Corporation. 47 p.
42273800	Perycut-Chemie Ag (1992) Submission of product chemistry data in support of registration of Insekten-Killer. Transmittal of 1 study.
42273801	Bencsits, F. (1992) Product Chemistry: Insekten-Killer: Lab Project Number: STORAGE STABILITY 92. Unpublished study prepared by Perycut-Chemie AG. 4 p.
42276200	Rainbow Technology Corporation (1992) Submission of Toxicology Data in Support of Registration for Rainbow Wasp & Ant Spray. Transmittal of 1 study.
42276201	Robbins, G. (1992) Rainbow Wasp & Ant Spray Guinea Pig Sensitization Study: Lab Project Number: F3256. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
42285100	Family Products Sdn. Bhd. (1992) Submission of product chemistry data to support the registration of Family Mosquito Coils, an Allethrin product. Transmittal of 1 study.
42285101	Savage, J. (1992) Family Mosquito Coils Physical and Chemical Properties ?Supp. to MRID 41881903 : Lab Project Number: FPS-01. Unpublished study prepared by Dartec, Inc. 16 p.
42297500	Hartz Mountain Corp. (1992) Submission of toxicity data to support the registration of Rid Flea Plus Shampoo. Transmittal of 4 studies.

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42297501	Hirschberger, L. (1992) Rid Flea Plus Non-Volatiles: Product Chemistry: Lab Project Number: 1082/68. Unpublished study prepared by Hartz Mountain Corp. 8 p.
42297502	Barbera, J. (1992) Delayed Contact Hypersensitivity in Guinea Pigs--Modified Buehler Method of Hartz Mountain Sample # 9747: Lab Project Number: 92991. Unpublished study prepared by Leberco Testing Inc. 24 p.
42297503	Cerven, D. (1992) Acute Dermal Toxicity in Rabbits/LD50 in Rabbits ?Hartz Mtn. Sample # 9747 : Lab Project Number: MB 92-1205 B. Unpublished study prepared by MB Research Labs, Inc. 17 p.
42297504	Troeger, J.; Goldman, K. (1991) Toxicity of the Hartz 2 in 1 Super Rid Flea Shampoo BSC# 1797 to Deer Ticks (Ixodes dammini): Lab Project Number: RNB 1135/26. Unpublished study prepared by Hartz Mtn Corp. 16 p.
42326300	McLaughlin Gormley King Co. (1992) Submission of Data To Support Registration Application for Esbiol Intermediate 1972: Storage Stability Study. Transmittal of 1 study.
42326301	Carlson, D. (1992) Storage Stability Data: Esbiol Intermediate 1972 and End Use Aerosol Made from It (Synergized Industrial Aerosol 2542). Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
42334500	Rainbow Technology Corp. (1992) Submission of efficacy data in support of the registration of Rainbow Wasp and Ant Spray. Transmittal of 1 study.
42334501	Appel, A. (1992) Performance of Rainbow Aerosol Formulation 4354 Containing d-trans Allethrin against the Red Imported Fire Ant, Solenopsis invicta (Buren): Lab Project Number: RBT4354. Unpublished study prepared by Auburn University. 7 p.
42336500	Sumitomo Chemical Comp., Ltd. (1992) Submission of Metabolism Data in Support of Registration Standard for Allethrin. Transmittal of 2 studies.
42336501	Schmidt, J. (1992) Aerobic Soil Metabolism Study of ?Acid-?carbon 14 -d-trans-Allethrin: Lab Project Number: 38484. Unpublished study prepared by ABC Laboratories, Inc. 62 p.
42336502	Schmidt, J. (1992) Aerobic Soil Metabolism Study of ?Alc-?carbob 14 -d-trans-Allethrin: Lab Project Number: 38485. Unpublished study prepared by ABC Laboratories, Inc. 57 p.
42359400	Roussel Bio Corp. (1992) Submission of product chemistry and toxicity data to support the registration of Alleviate Plus (Esbiothrin, Piperonyl butoxide, pyrethrins). Transmittal of 8 studies.
42359401	Girard, M.; Johnson, D. (1992) Esbiothrin 1.25 percent, Piperonyl butoxide 6.00 percent, Pyrethrins 0.50 percent ULV Concentrate: Product Chemistry: Lab Project Number: 128. Unpublished study prepared by Roussel Bio Corp. 14 p.
42359402	Essig, K. (1991) Interim Report: Stability and Corrosion Characteristics--3 Months Accelerated--EBT/PBO/PY 1.25--6.0--0.5 ULV Spray: Lab Project Number: NB-91-12; 16A: 109. Unpublished study prepared by Roussel Bio Corp. 7 p.
42359403	Kuhn, J. (1992) Acute Oral Toxicity Study in Rats with EBT/PBO/PYR, 1.25%--6.0%--0.5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8662-92: RBT-91-159. Unpublished study prepared by Stillmeadow, Inc. 12 p.
42359404	Kuhn, J. (1992) Acute Dermal Toxicity Study in Rabbits with EBT/PBO/PYR, 1. 25%--6.0%--0.5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8663-92:RBT-91-160. Unpublished study prepared by Stillmeadow, Inc. 12 p.
42359405	Holbert, M. (1992) Acute Inhalation Toxicity Study in Rats with EBT/PBO/PYR, 1. 25%--6. 0%--0. 5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8664-92: RBT-91-161. Unpublished study prepared by Stillmeadow, Inc. 35 p.
42359406	Kuhn, J. (1992) Primary Eye Irritation Study in Rabbits with EBT/PBO/PYR, 1. 25%--6. 0%--0. 5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8665-92: RBT-91-162 . Unpublished study prepared by Stillmeadow, Inc. 20 p.

MRID #	Citation
42359407	Kuhn, J. (1992) Primary Dermal Irritation Study in Rabbits with EBT/PBO/PYR, 1. 25%--6. 0%--0. 5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8666-92: RBT-91-163. Unpublished study prepared by Stillmeadow, Inc. 14 p.
42359408	Kuhn, J. (1992) Dermal Sensitization Study in Guinea Pigs with EBT/PBO/PYR, 1.25%--6. 0%--0.5% ULV Ref. # 13133 Lot No. NB91:12-16A: Lab Project Number: 8667-92: RBT-91-164. Unpublished study prepared by Stillmeadow, Inc. 18 p.
42376200	Microban Germicide Co. (1992) Submission of product chemistry data to support the registration of Microban X-590 Institutional Spray. Transmittal of 3 studies.
42376201	Harrison, E. (1992) Microban X-590 Institutional Spray: Product Identity and Composition. Unpublished study prepared by Microban Germicide Co. 42 p.
42376202	Harrison, E. (1992) Microban X-590 Institutional Spray: Analysis and Certification of Product Ingredients. Unpublished study prepared by Microban Germicide Co. 9 p.
42376203	Anthony, C. (1992) Microban X-590: Physical and Chemical Properties: Lab Project Number: 00350-001. Unpublished study prepared by Microban Germicide Co. 45 p.
42409600	Roussel Bio Corp. (1992) Submission of toxicity data in support of the registration of Crossfire TRA Concentrate. Transmittal of 1 study.
42409601	Kuhn, J. (1992) Primary Dermal Irritation Study in Rabbits with Crossfire TRA Concentrate: Lab Project Number: 8987-92: RBT-92-118. Unpublished study prepared by Stillmeadow, Inc. 13 p.
42410900	Chevron Chemical Co. (1992) Submission of toxicity data in support of the registration of Ortho Citrus Insect Spray. Transmittal of 1 study.
42410901	Cushman, J. (1985) Acute Dermal Toxicity of Citrus Insect Spray (SX-1556) in Adult Male and Female Rabbits: Lab Project Number: S-2549: SOCAL 2318. Unpublished study prepared by Chevron Environmental Health Center, Inc. 31 p.
42419300	Combe, Inc. (1992) Submission of toxicity data in support of the registration of Sulfodene Scratchex Flea and Tick Shampoo-B for Dogs and Cats. Transmittal of 2 studies.
42419301	Cerven, D. (1992) Primary Dermal Irritation in Albino Rabbits: Sulfodene Scratchex Flea and Tick Shampoo-B: Lab Project Number: MB 92-1578 C. Unpublished study prepared by MB Research Laboratories, Inc. 10 p.
42419302	Cerven, D. (1992) Primary Eye Irritation and/or Corrosion in Rabbits: Sulfodene Scratchex Flea and Tick Shampoo-B: Lab Project Number: MB 92-1578 D. Unpublished study prepared by MB Research Laboratories, Inc. 11 p.
42455300	Bengal Chemicals Inc. (1992) Submittal of product chemical data in support of Bengal Roach Spray 92. Transmittal of 2 studies.
42455301	Davis, K. (1992) Product Chemistry Report of Bengal Roach Spray 92: Lab Project Number: PCDBRS. Unpublished study prepared by RegWest Co. 26 p.
42455302	Mesa, A.; Orman, J. (1992) Product Chemistry Data: Physical & Chemical Characteristics of Bengal Roach Spray 92 (SPI #6041): Lab Project Number: TAA.00392. Unpublished study prepared by Speer Products Inc. 15 p.
42515300	Bengal Chemical, Inc. (1992) Submission of toxicity data in support of the registration of Bengal Roach Spray 92. Transmittal of 6 studies.
42515301	Robbins, G. (1992) Acute Oral Toxicity Study in Rats: Bengal Roach Spray II: Lab Project Number: A3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 22 p.
42515302	Robbins, G. (1992) Acute Dermal Absorption in Rabbits: Bengal Roach Spray II: Lab Project Number: B3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 27 p.
42515303	Robbins, G. (1992) Acute Inhalation Study in Rats: Bengal Roach Spray II: Lab Project Number: C3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 34 p.

MRID #	Citation
42515304	Robbins, G. (1992) Primary Eye Irritancy in Rabbits: Bengal Roach Spray II: Lab Project Number: D3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 25 p.
42515305	Robbins, G. (1992) Primary Skin Irritancy on Rabbits: Bengal Roach Spray II: Lab Project Number: E3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
42515306	Robbins, G. (1992) Guinea Pig Sensitization Study: Bengal Roach Spray II: Lab Project Number: F3293. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 37 p.
42518200	SmithKline Beecham Animal Health (1992) Submission of product chemistry and toxicity data to support the registration of Esbiothrin Flea and Tick Mist. Transmittal of 6 studies.
42518201	Chou, J. (1992) Esbiothrin Flea and Tick Mist: ?Product Chemistry Report . Unpublished study prepared by SmithKline Beecham Animal Health. 124 p.
42518202	Blaszczak, D. (1992) Acute Oral Toxicity Study in Rats with SB-E-Mist (Esbiothrin Flea and Tick Mist): Lab Project Number: 6182-91. Unpublished study prepared by Bio/Dynamics, Inc. 36 p.
42518203	Blaszczak, D. (1992) Acute Dermal Toxicity of SB-E-Mist (Esbiothrin Flea and Tick Mist) in Rabbits: Lab Project Number: 6183-91. Unpublished study prepared by Bio/Dynamics, Inc. 27 p.
42518204	Blaszczak, D. (1992) Primary Eye Irritation Study of SB-E-Mist (Esbiothrin Flea and Tick Mist) in Rabbits: Lab Project Number: 6185-91. Unpublished study prepared by Bio/Dynamics, Inc. 31 p.
42518205	Blaszczak, D. (1992) Primary Dermal Irritation Study of SB-E-Mist (Esbiothrin Flea and Tick Mist) in Rabbits: Lab Project Number: 6184-91. Unpublished study prepared by Bio/Dynamics, Inc. 29 p.
42518206	Blaszczak, D. (1992) Closed-Patch Repeated Insult Dermal Sensitization Study with SB-E-Mist (Esbiothrin Flea and Tick Mist) in Guinea Pigs (Buehler Method): Lab Project Number: 6186-91. Unpublished study prepared by Bio/Dynamics Inc. 41 p.
42536500	MGK (1992) Submission of toxicity data in support of the registration of ESBIOL Fogging Concentrate 2289. Transmittal of 1 study.
42536501	Moore, G. (1992) Guinea Pig Dermal Sensitization--Modified Buehler Method: ESBIOL Fogging Concentrate 2289: Lab Project Number: 92-7568A. Unpublished study prepared by Biosearch Incorporated. 24 p.
42539300	3M Health Care (1992) Submission of supplemental toxicity data to support registration of Duratrol Plus Household Flea Spray. Transmittal of 2 studies.
42539301	Hart, J. (1990) Acute Dermal Irritation Test: Duratrol Plus Household Flea Spray: Addendum to MRID #42018906. Unpublished study prepared by 3M Pharmaceuticals. 14 p.
42539302	Hart, J. (1990) Acute Dermal Toxicity Test: Duratrol Plus Household Flea Spray: Addendum to MRID #42018903. Unpublished study prepared by 3M Pharmaceuticals. 13 p.
42541200	MGK (1992) Submission of toxicity data in support of the registration of Evercide Residual Pressurized Spray 2523. Transmittal of 1 study.
42541201	Moore, G. (1992) Primary Skin Irritation--Rabbits: Evercide Residual Pressurized Spray 2523--Code# 576-92: Lab Project Number: 92-7613A. Unpublished study prepared by Biosearch Incorporated. 12 p.
42545700	McLaughlin Gormley King Co. (1992) Submission of toxicity data to support registration of Evercide Residual Pressurized Spray 2581. Transmittal of 2 studies.
42545701	Moore, G. (1992) Primary Eye Irritation--Rabbits: Evercide Residual Pressurized Spray 2581: Lab Project Number: 92-7642A. Unpublished study prepared by Biosearch Inc. 15 p.
42545702	Moore, G. (1992) Primary Skin Irritation--Rabbits: Evercide Residual Pressurized Spray 2581: Lab Project Number: 92-7642A. Unpublished study prepared by Biosearch Inc. 11 p.
42549600	Fermenta Animal Health (1992) Submission of product chemistry data in support of the registration of EctoGard S House & Carpet Spray with Tenocide Insect Growth Regulator. Transmittal of 1 study.
42549601	Fogt, S. (1992) One-Year Storage Stability: EctoGard S House and Carpet Spray with Tenocide Insect Growth Regulator: Lab Project Number: AAM:166. Unpublished study prepared by Fermenta Animal Health Company. 4 p.

MRID #	Citation
42557700	SmithKline Beecham (1992) Submission of toxicity and efficacy data in support of registration for Esbiothrin Flea and Tick Mist. Transmittal of 3 studies.
42557701	Hoffman, G. (1992) An Acute Inhalation Toxicity Study of SB-E-Mist (Esbiothrin Flea and Tick Mist) in the Rat: Lab Project Number: 91-8380. Unpublished study prepared by Bio/Dynamics, Inc. 85 p.
42557702	Cunningham, J. (1990) Final Report on Exploratory Trial to Determine the Efficacy of Pyrethroid Formulations for Flea and Tick Control on Dogs: Lab Project Number: SKBD 290. Unpublished study prepared by Ag Research Consultants. 57 p.
42557703	Cunningham, J. (1990) Final Report on Esbiothrin Exploratory Formulation Trial: Lab Project Number: ND 189. Unpublished study prepared by AgResearch Consultants. 25 p.
42587400	Fermenta Animal Health Co. (1992) Submission of product chemistry data in support of registration for EctoGard Aerosol House & Carpet Spray. Transmittal of 1 study.
42587401	Marchiondo, A. (1991) Six-month Storage Stability EctoGard Aerosol House & Carpet Spray with Tenocide Insect Growth Regulator. Unpublished study prepared by Fermenta Animal Health Co. 4 p.
42607100	S.C. Johnson & Son, Inc. (1992) Submission of toxicity data in support of registration for Raid Yard Guard Outdoor Fogger Formula V. Transmittal of 5 studies.
42607101	Costello, B. (1986) Acute Oral Toxicity, Single Level--Rats with 6420D12-3 (6-20-86): Raid Yard Guard Outdoor Fogger Formula V: Lab Project Number: 86-5226A. Unpublished study prepared by Biosearch Inc. 13 p.
42607102	Costello, B. (1986) Primary Skin Irritation--Rabbits with 6420D12-3 (6-20-86): Raid Yard Guard Outdoor Fogger Formula V: Lab Project Number: 86-5226A. Unpublished study prepared by Biosearch Inc. 12 p.
42607103	Busch, B. (1986) Primary Eye Irritation Study of 6420D12-2 in New Zealand White Rabbits: Raid Yard Guard Outdoor Fogger Formula V: Lab Project Number: 9279A. Unpublished study prepared by Food and Drug Research Labs. 30 p.
42607105	Busch, B. (1986) Acute Inhalation Toxicity Study of 6420D12-4 in Sprague-Dawley Rats: Raid Yard Guard Outdoor Fogger Formula V: Lab Project Number: 9280. Unpublished study prepared by Food and Drug Research Labs. 66 p.
42609800	Bengal Chemical, Inc. (1992) Submission of product chemistry and toxicity data in support of the registration of Bengal Indoor Fogger 92. Transmittal of 8 studies.
42609801	Davis, K. (1992) Product Chemistry Report of Bengal Indoor Fogger 92: Lab Project Number: BIFPCD. Unpublished study prepared by RegWest Co. for Bengal Chemical, Inc. 18 p.
42609802	Orman, J. (1992) Product Chemistry Data: Physical & Chemical Characteristics of Bengal Indoor Fogger 92: Lab Project Number: TAA00892. Unpublished study prepared by Speer Products, Inc. 18 p.
42609803	Robbins, G. (1992) Acute Oral Toxicity in Rats: Bengal Indoor Fogger 92: Lab Project Number: A3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
42609804	Robbins, G. (1992) Acute Dermal Absorption in Rabbits: Bengal Indoor Fogger 92: Lab Project Number: B3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 23 p.
42609805	Robbins, G. (1992) Acute Inhalation Study in Rats: Bengal Indoor Fogger 92: Lab Project Number: C3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 32 p.
42609806	Robbins, G. (1992) Primary Eye Irritancy in Rabbits: Bengal Indoor Fogger 92: Lab Project Number: D3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 21 p.
42609807	Robbins, G. (1992) Primary Skin Irritancy in Rabbits: Bengal Indoor Fogger 92: Lab Project Number: E3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 16 p.
42609808	Robbins, G. (1992) Guinea Pig Sensitization Study: Bengal Indoor Fogger 92: Lab Project Number: F3308. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 26 p.

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42616500	Bengal Chemical, Inc. (1992) Submission of product chemistry data in support of the registration of Bengal Roach Spray 93. Transmittal of 1 study.
42616501	Davis, K. (1992) Product Chemistry Report of Bengal Roach Spray 93: Lab Project Number: PCD93. Unpublished study prepared by RegWest Company. 18 p.
42645600	S.C. Johnson & Son, Inc. (1993) Submission of product chemistry and efficacy data in support of the registration for Raid Yard Guard Outdoor Fogger Formula VII. Transmittal of 2 studies.
42645601	Schinkowitch, D. (1992) Product Chemistry: Raid Yard Guard Outdoor Fogger Formula VII: Lab Project Number: 6420D21-2: 6420D21-2-C1. Unpublished study prepared by S.C. Johnson & Son Inc. 78 p.
42645602	Cronin, D. (1990) Efficacy Data: Raid Yard Guard Formula VII: Lab Project Number: 6420D21-2: 5789. Unpublished study prepared by S.C. Johnson & Son, Inc. 38 p.
42678900	Sumitomo Chemical Co. (1993) Submission of environmental fate data in support of the allethrin registration standard. Transmittal of 2 studies.
42678901	Mikami, N.; Matsuo, M. (1993) Response to EPA's Questions on the Aerobic Soil Metabolism of (carbon 14)-Acid and (Alcohol carbon 14)-d-trans-Allethrin (MRID #42336501 and 42336502): Lab Project Number: KM-30-0015. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 13 p.
42678902	Yoshimura, J.; Mikami, N.; Matsuo, M. (1993) Aerobic Soil Metabolism Study of (carbon 14)-d-trans-d and (carbon 14)-d-trans-l-Allethrin Isomers: Lab Project Number: SOI89002: KM-00-0014. Unpublished study prepared by Sumitomo Chemical Co., Ltd. 101 p.
42696600	Reckitt and Colman, Inc. (1993) Submission of product chemistry and toxicity data in support of the registration for Black Flag Ant & Roach Killer Formula F. Transmittal of 10 studies.
42696601	Ramirez, B. (1993) Product Chemistry: Black Flag Ant & Roach Killer Formula F: Lab Project Number: IC-92-2. Unpublished study prepared by Reckitt & Colman Household Products. 142 p.
42696602	Ramirez, B. (1993) Product Chemistry: Black Flag Ant and Roach Killer, Water Base (Formula F): Lab Project Number: IC-92-2. Unpublished study prepared by Reckitt & Colman Household Products. 13 p.
42696603	Ramirez, B. (1992) Black Flag Ant & Roach (Water Based) Formula F, Lavender-Product/Package Compatability Study: Storage Stability: Lab Project Number: IS-92-16. Unpublished study prepared by Reckitt & Colman Household Products. 4 p.
42696604	Hershman, R. (1992) Acute Inhalation Toxicity, Two Level, 4-Hour Exposure--Rats: 2239: Lab Project Number: 92-7575A. Unpublished study prepared by Biosearch Inc. 44 p.
42696605	Gabriel, D. (1993) Acute Dermal Toxicity, Single Level--Rabbits: 2239: Lab Project Number: 92-7575A (A). Unpublished study prepared by Biosearch Inc. 15 p.
42696606	Gabriel, D. (1993) Acute Oral Toxicity, Single Level--Rats: 2239: Lab Project Number: 92-7575A (B). Unpublished study prepared by Biosearch Inc. 12 p.
42696607	Moore, G. (1993) Guinea Pig Dermal Sensitization--Modified Buehler Method: 2239: Lab Project Number: 92-7575A (C). Unpublished study prepared by Biosearch Inc. 24 p.
42696608	Moore, G. (1993) Primary Skin Irritation--Rabbits: 2239: Lab Project Number: 92-7575A (D). Unpublished study prepared by Biosearch Inc. 12 p.
42696609	Moore, G. (1993) Primary Eye Irritation--Rabbits: 2239: Lab Project Number: 92-7575A (E). Unpublished study prepared by Biosearch Inc. 15 p.
42696610	Johnson, J. (1993) Residual Study with Black Flag Ant and Roach Killer, Water-Base, Formula F Regular, and Solvent Replacement Black Flag Ant and Roach Killer: Lab Project Number: IE-92-1. Unpublished study prepared by Reckitt and Colman Inc. 24 p.
42713300	Unicorn Laboratories (1993) Submission of product chemistry data in support of registration for Unicorn Insecticide Aqueous Pressurized Spray. Transmittal of 1 Study.

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42713301	Santerre, B. (1993) Product Chemistry: Unicorn Insecticide Aqueous Pressurized Spray. Unpublished study prepared by Unicorn Laboratories. 4 p.
42719200	MGK (1993) Submission of toxicity data in support of the Multicide Intermediate 2661 registration. Transmittal of 6 studies.
42719201	Gabriel, D. (1993) Acute Oral Toxicity LD50--Rats: Multicide Intermediate 2661: Lab Project Number: 92-7717A: AOT-250. Unpublished study prepared by Biosearch Inc. 21 p.
42719202	Gabriel, D. (1993) Acute Dermal Toxicity, Single Level--Rabbits: Multicide Intermediate 2661: Lab Project Number: 92-7717A: ADT-210. Unpublished study prepared by Biosearch Inc. 15 p.
42719203	Hershman, R. (1993) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure--Rats: Multicide Intermediate 2661: Lab Project Number: 92-7717A: AIT-214. Unpublished study prepared by Biosearch Inc. 28 p.
42719204	Moore, G. (1993) Primary Eye Irritation--Rabbits: Multicide Intermediate 2661: Lab Project Number: 92-7717A: PEI-206. Unpublished study prepared by Biosearch Inc. 15 p.
42719205	Moore, G. (1993) Primary Skin Irritation--Rabbits: Multicide Intermediate 2661: Lab Project Number: 92-7717A: PSI-206-037. Unpublished study prepared by Biosearch Inc. 12 p.
42719206	Romanelli, P. (1993) Guinea Pig Dermal Sensitization--Modified Buehler Method: Multicide Intermediate 2661: Lab Project Number: 92-7717A: GPS-210. Unpublished study prepared by Biosearch Inc. 23 p.
42730700	SmithKline Beecham Animal Health (1993) Submission of product chemistry, toxicity and efficacy data in support of the Esbiothrin 14-Day Flea and Tick Mist registration. Transmittal of 9 studies.
42730701	Chou, J. (1993) Product Chemistry Requirements for End-Use Product: Esbiothrin 14-Day Flea and Tick Mist. Unpublished study prepared by Smithkline Beecham Animal Health. 20 p.
42730702	Blaszczak, D. (1993) Acute Oral Toxicity Study in Rats with SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist): Lab Project Number: 6197-91. Unpublished study prepared by Bio/dynamics, Inc. 36 p.
42730703	Blaszczak, D. (1993) Acute Dermal Toxicity Study in Rabbits with SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist): Lab Project Number: 6198-91. Unpublished study prepared by Bio/dynamics, Inc. 28 p.
42730704	Blaszczak, D. (1992) An Acute Inhalation Toxicity of SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist) in the Rat: Lab Project Number: 91-8382. Unpublished study prepared by Bio/dynamics, Inc. 83 p.
42730705	Blaszczak, D. (1993) Primary Eye Irritation Study in Rabbits with SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist): Lab Project Number: 6200-91. Unpublished study prepared by Bio/dynamics, Inc. 31 p.
42730706	Blaszczak, D. (1993) Primary Dermal Irritation Study in Rabbits with SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist): Lab Project Number: 6199-91. Unpublished study prepared by Bio/dynamics, Inc. 29 p.
42730707	Blaszczak, D. (1993) Closed-Patch Repeated Insult Dermal Sensitization Study with SB-E-14-Mist-5 (Esbiothrin 14-Day Residual Flea Mist) in Guinea Pigs (Buehler Method): Lab Project Number: 6201-91. Unpublished study prepared by Bio/dynamics, Inc. 41 p.
42730708	Cunningham, J. (1992) The Efficacy of Pyrethroid Mist and Dip Formulations for the Control of Fleas and Ticks Infesting Dogs: Lab Project Number: SKBD 591: CD-0096-91. Unpublished study prepared by AgResearch Consultants, Inc. 15 p.
42730709	Boyd, J. (1992) The Residual Efficacy of Mist and Dip Formulations for the Control of Fleas and Ticks Infesting Cats: Lab Project Number: 10-399-0492: CD-0141-92. Unpublished study prepared by P.A.C.E. International. 31 p.
42731100	MGK Co. (1993) Submission of product chemistry and toxicity data in support of the Evercide Total Release Aerosol 2604 registration. Transmittal of 7 studies.

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42731101	Gabriel, D. (1992) Acute Oral Toxicity, Single Level--Rats: Evercide Total Release Aerosol 2604 (non-volatiles): Lab Project Number: 92-7666A: AOT-210. Unpublished study prepared by Biosearch Inc. 11 p.
42731102	Gabriel, D. (1992) Acute Dermal Toxicity, Single Level--Rabbits: Evercide Total Release Aerosol 2604 (non-volatiles): Lab Project Number: 92-7666A. Unpublished study prepared by Biosearch Inc. 15 p.
42731103	Hershman, R. (1992) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure--Rats: Evercide Total Release Aerosol 2604 (non-volatiles): Lab Project Number: 92-7666A. Unpublished study prepared by Biosearch Inc. 32 p.
42731104	Moore, G. (1992) Primary Eye Irritation--Rabbits: Evercide Total Release Aerosol 2604: Lab Project Number: 92-7666A. Unpublished study prepared by Biosearch Inc. 15 p.
42731105	Moore, G. (1992) Primary Skin Irritation--Rabbits: Evercide Total Release Aerosol 2604: Lab Project Number: 92-7666A. Unpublished study prepared by Biosearch Inc. 13 p.
42731106	Romanelli, P. (1992) Guinea Pig Dermal Sensitization--Modified Buehler Method: Evercide Total Release Aerosol 2604 (non-volatiles): Lab Project Number: 92-7666A. Unpublished study prepared by Biosearch Inc. 23 p.
42731107	Carlson, D. (1992) Storage Stability Data: Evercide Concentrate 2603 and Evercide Total Release Aerosol 2604: Lab Project Number: GLP-325. Unpublished study prepared by MGK Co. 8 p.
42749000	Sumitomo Chemical America, Inc. (1993) Submission of product chemistry data in support of the Pynamin Forte Mosquito Coil registration. Transmittal of 1 study.
42749001	Mori, T. (1993) Storage Stability of Pynamin Forte (PYNF) 0.3% in Mosquito Coil (KT-30-0137). Unpublished study prepared by Sumitomo Chemical Takarazuka Research Center. 5 p.
42765900	SmithKline Beecham Animal Health (1993) Submission of product chemistry and toxicity data to support the registration of Esbiothrin 14-Day Flea Dip. Transmittal of 6 studies.
42765901	Chou, J. (1993) Esbiothrin 14-Day Flea Dip: Product Chemistry. Unpublished study prepared by SmithKline Beecham Animal Health. 21 p.
42765902	Blaszczak, D. (1993) Acute Oral Toxicity Study in Rats with SB-E-14-Dip-5 (Esbiothrin 14-Day Flea and Tick Dip): Lab Project Number: 6202-91: ES-0101-92. Unpublished study prepared by Bio/Dynamics, Inc. 37 p.
42765903	Blaszczak, D. (1993) Acute Dermal Toxicity Study in Rabbits with SB-E-14-Dip-5 (Esbiothrin 14-Day Flea and Tick Dip): Lab Project Number: 6203-91: ES-0102-92. Unpublished study prepared by Bio/Dynamics, Inc. 28 p.
42765904	Blaszczak, D. (1993) Primary Eye Irritation Study in Rabbits with SB-E-14-Dip-5 (Esbiothrin 14-Day Flea and Tick Dip): Lab Project Number: 6205-91: ES-0104-92. Unpublished study prepared by Bio/Dynamics, Inc. 31 p.
42765905	Blaszczak, D. (1993) Primary Dermal Irritation Study in Rabbits with SB-E-14-Dip-5 (Esbiothrin 14-Day Flea and Tick Dip): Lab Project Number: 6204-91: ES-0103-92. Unpublished study prepared by Bio/Dynamics, Inc. 29 p.
42765906	Blaszczak, D. (1993) Closed-Patch Repeated Insult Dermal Sensitization Study in Guinea Pigs (Buehler Method) with SB-E-14-Dip-5 (Esbiothrin 14-Day Flea and Tick Dip): Lab Project Number: 6206-91: ES-0105-92. Unpublished study prepared by Bio/Dynamics, Inc. 42 p.
42800600	SmithKline Beecham Animal Health (1993) Submission of efficacy data in support of the registration for Esbiothrin 14-Day Flea Dip. Transmittal of 1 study.
42800601	Cunningham, J. (1992) The Efficacy of Pyrethroid Mist and Dip Formulations for the Control of Fleas and Ticks Infesting Dogs: Lab Project Number: SKBD 591. Unpublished study prepared by AgResearch Consultants, Inc. 15 p.
42823300	MGK Co. (1993) Submission of toxicity data in support of the registration for ESBIOL Residual Contact Spray 2236. Transmittal of 1 study.

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42823301	Moore, G. (1993) Primary Skin Irritation--Rabbits: ESBIOL Residual Contact Spray 2236: Lab Project Number: 93-7802A. Unpublished study prepared by Biosearch Inc. 12 p.
42844100	Fermenta Animal Health (1993) Submission of product chemistry data in support of the registration for EctoGard S Fogger. Transmittal of 1 study.
42844101	Fogt, S. (1989) One-Year Storage Stability EctoGard S Fogger. Unpublished study prepared by Fermenta Animal Health Co. 4 p.
42863600	MGK Company (1993) Submission of toxicity data in support of registration for Evercide Intermediate 2442. Transmittal of 1 study.
42863601	Moore, G. (1993) Primary Skin Irritation--Rabbits: Evercide Intermediate 2442: Lab Project Number: 93-7828A. Unpublished study prepared by Biosearch Inc. 12 p.
42877100	Whitmire Research Laboratories, Inc. (1993) Submission of Product Chemistry and Toxicology Data in Support of the Registration of Whitmire PT 564 XLO Contact Insecticide. Transmittal of 7 studies.
42877101	Sarli, M. (1993) Whitmire PT 564 XLO Contact Insecticide: Product Chemistry (Data). Unpublished study prepared by Whitmire Research Laboratories, Inc. 11 p.
42877102	Gabriel, D. (1990) Insect Fogger (Aerosol Concentrate) Form # 89-019: Acute Oral Toxicity, LD50--Rats: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 21 p.
42877103	Bielucke, J. (1990) Insect Fogger (Aerosol Concentrate) Form #89-019: Acute Dermal Toxicity, Single Level--Rabbits: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 13 p.
42877104	Hershman, R. (1990) Insect Fogger (Aerosol Concentrate) Form #89-019: Acute Inhalation Toxicity, Single Level, 4 Hour Exposure--Rats: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 24 p.
42877105	Bielucke, J. (1990) Insect Fogger (Aerosol) Form #89-019: Primary Eye Irritation--Rabbits: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 13 p.
42877106	Romanelli, P. (1990) Insect Fogger (Aerosol Concentrate) Form #89-019: Primary Skin Irritation--Rabbits: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 10 p.
42877107	Romanelli, P. (1990) Insect Fogger (Aerosol Concentrate) Form #89-019: Guinea Pig Dermal Sensitization--Modified Buehler Method: Lab Project Number: 90-6936A: 35-019. Unpublished study prepared by Biosearch Incorporated. 20 p.
42906900	Roussel Uclaf (1993) Submission of Toxicity Data for Allethrin Stereoisomers in Support of Reregistration Standard. Transmittal of 2 Studies.
42906901	Hardy, C. (1993) Esbiothrine: RU 27436 Acute Inhalation Toxicity in Rats: 4-hour Exposure: Supplement to MRID No. 151452. Unpublished study prepared by Huntingdon Research Centre Ltd. 6 p.
42906902	Jackson, G.; Hardy, C.; Colman, K.; et al. (1988) Bioallethrine: Acute Inhalation Toxicity in Rats: 4-hour Exposure: Lab Project Number: RSL 788/89507. Unpublished study prepared by Huntingdon Research Centre Ltd. 56 p.
42907000	Roussel Uclaf Corp. (1993) Submission of Toxicity Data for Allethrin Stereoisomers in Support of Registration Standard. Transmittal of 1 Study.
42907001	Glaza, S. (1989) Dermal Sensitization Study of Esbiothrin, Lot No. 7N1418B3 (95.7% a.i.) in Guinea Pigs--Closed Patch Technique: Final Report: Lab Project Number: HLA 81203093: RBC-EBT-1. Unpublished study prepared by Hazleton Laboratories America, Inc. 33 p.
42920400	Roussel Uclaf (1993) Submission of Toxicity data for Esbiothrin in Support of Reregistration. Transmittal of 1 study.
42920401	Courcy di Rosa, J. (1986) Dose Range Finding in Mice by Dietary Administration for 8 Weeks: Esbiothrin: Lab Project Number: 1767 TSS. Unpublished study prepared by Centre International de

MRID #	Citation
	Toxicologie. 231 p.
42924700	Roussel Uclaf Corp. (1993) Submission of Toxicity Data for EBT/PBO/PYR, 1.25%-6.0%-0.5% ULV in Support of Reregistration. Transmittal of 2 Studies.
42924701	Holbert, M. (1993) Amendment to Final Report: Acute Inhalation Toxicity Study in Rats with EBT/PBO/PYR, 1.25%-6.0%-0.5% ULV: Supplement to MRID 42359405. Unpublished study prepared by Stillmeadow, Inc. 6 p.
42924702	Kuhn, J. (1993) Addendum to Final Report: Dermal Sensitization Study in Guinea Pigs with EBT/PBO/PYR, 1.25%-6.0%-0.5% ULV: Supplement to MRID 42359408. Unpublished study prepared by Stillmeadow, Inc. 7 p.
42936600	Zep Manufacturing Co. (1993) Submission of Product Chemistry Data in Support of Registration of Zep Meter Mist Insect Killer S. Transmittal of 1 Study.
42936601	Beach, R. (1993) Method of Manufacture: (Zep Meter Mist Insect Killer S). Unpublished study prepared by Zep Manufacturing Co. 4 p.
42937500	Waterbury Companies, Inc. (1993) Submission of Toxicity Data for PURGE V, 6LM27 in Support of Registration. Transmittal of 6 Studies.
42937501	Cerven, D. (1993) Single Dose Oral Toxicity in Rats/LD50 in Rats: 6LM27 (concentrate): Lab Project Number: MB 92-2243 A. Unpublished study prepared by MB Research Laboratories, Inc. 10 p.
42937502	Cerven, D. (1993) Acute Dermal Toxicity in Rabbits/LD50 in Rabbits: 6LM27 (concentrate): Lab Project Number: MB 92-2243 B. Unpublished study prepared by MB Research Laboratories, Inc. 14 p.
42937503	Kieffer, L. (1993) Primary Dermal Irritation in Albino Rabbits: 6LM27 (concentrate): Lab Project Number: MB 92-2243 C. Unpublished study prepared by MB Research Laboratories, Inc. 10 p.
42937504	Cerven, D. (1993) Primary Eye Irritation and/or Corrosion in Rabbits: 6LM27 (concentrate): Lab Project Number: MB 92-2243 D. Unpublished study prepared by MB Research Laboratories, Inc. 11 p.
42937505	Cerven, D. (1993) Delayed Contact Dermal Sensitization Test (Buehler Method): 6LM27 (concentrate): Lab Project Number: MB 92-2243 F. Unpublished study prepared by MB Research Laboratories, Inc. 18 p.
42937506	Bennick, J. (1993) Inhalation Toxicity in Rats: 6LM27: Lab Project Number: MB 92-2243 E. Unpublished study prepared by MB Research Laboratories, Inc. 19 p.
42965700	Roussel Uclaf Corp. (1993) Submission of Product Chemistry Data for Alleviate Plus in Support of Registration. Transmittal of 1 Study.
42965701	Essig, K. (1993) Esbiothrin/Piperonyl Butoxide/Pyrethrins 1.25%-6.00%-0.50% ULV Spray, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 109. Unpublished study prepared by Roussel UCLAF Corporation. 40 p.
43004700	Amrep, Inc. (1993) Submission of Product Chemistry Data for Misty Fog Away II in Support of Registration. Transmittal of 1 Study.
43004701	Amrep, Inc. (1993) Product Chemistry: Allethrin & Sumithrin. Unpublished study prepared by Amrep, Inc. 4 p.
43012400	Whitmire Inc. (1993) Submission of product chemistry and toxicity data in support of registration for Whitmire TC 96. Transmittal of 7 studies.
43012401	Sarli, M. (1993) Whitmire TC 96: Product Chemistry: Lab Project Number: WRL/93/0082: WRL/93/0083: WRL/93/0082/93/0083. Unpublished study prepared by Whitmire Research Laboratories, Inc. 10 p.
43012402	Gabriel, D. (1993) Acute Oral Toxicity, LD50--Rats: TC-96, Concentrate Less Propellant (Formula #138-015): Lab Project Number: 93/7844A: AOT/200. Unpublished study prepared by Biosearch Inc. 22 p.

MRID #	Citation
43012403	Gabriel, D. (1993) Acute Dermal Toxicity, Single Level--Rabbits: TC-96, Concentrate Less Propellant (Formula #138-015): Lab Project Number: 93/7844A: ADT/200. Unpublished study prepared by Biosearch Inc. 14 p.
43012404	Hershman, R. (1993) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure--Rats: TC-96, Concentrate Less Propellant (Formula #138-015): Lab Project Number: 93/7844A: AIT/200. Unpublished study prepared by Biosearch Inc. 29 p.
43012405	Moore, G. (1993) Primary Eye Irritation--Rabbits: TC-96, Pressurized Product (Formula #132-040): Lab Project Number: 93/7844A: PEI/206. Unpublished study prepared by Biosearch Inc. 14 p.
43012406	Moore, G. (1993) Primary Skin Irritation--Rabbits: TC-96, Concentrate Less Propellant (Formula #138-015): Lab Project Number: 93/7844A: PSI/206. Unpublished study prepared by Biosearch Inc. 11 p.
43012407	Romanelli, P. (1993) Guinea Pig Dermal Sensitization, 9 Induction Applications--Modified Buehler Method: TC-96, Concentrate Less Propellant (Formula #138-015): Lab Project Number: 93/7844A: GPS/210. Unpublished study prepared by Biosearch Inc. 23 p.
43027200	RSR Laboratories, Inc. (1993) Submission of Product Chemistry Data for RSR Allethrin Shampoo in Support of Registration. Transmittal of 1 Study.
43027201	Lanham, K. (1993) Product Chemistry Data: RSR Allethrin Shampoo: Lab Project Number: 118838: 401580 20. Unpublished study prepared by RSR Labs., Inc. 63 p.
43112700	Bengal Chemical, Inc. (1994) Submittal of Toxicity Data in Support of Registration of Bengal Indoor Fogger 92. Transmittal of 1 study.
43112701	Robbins, G. (1994) Guinea Pig Dermal Sensitization Study: Bengal New Indoor Fogger (Bengal Indoor Fogger 92): Lab Project Number: F3367. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 26 p.
43115700	Roussel Uclaf Corp. (1994) Submittal of Toxicity Data in Support of Registration for Vikor Dual Action. Transmittal of 1 study.
43115701	Kuhn, J. (1993) Dermal Sensitization Study in Guinea Pigs with Vikor Dual Action Home and Patio Spray RBC Log #R933-339: Lab Project Number: 0480-93: T-93-124. Unpublished study prepared by Stillmeadow, Inc. 17 p.
43132100	McLaughlin Gormley King Co. (1994) Submittal of Toxicity Data in Support of Registration for D-Trans Intermediate 2247. Transmittal of 6 studies.
43132101	Gabriel, D. (1994) Acute Oral Toxicity, LD50-Rats (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch Inc. 24 p.
43132102	Gabriel, D. (1993) Acute Oral Toxicity, Single Level-Rabbits (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch Inc. 15 p.
43132103	Hershman, R. (1993) Acute Inhalation Toxicity, LC50, 4-Hour Exposure--Rats (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch Inc. 58 p.
43132104	Moore, G. (1993) Primary Eye Irritation-Rabbits (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch Inc. 15 p.
43132105	Moore, G. (1993) Primary Skin Irritation-Rabbits (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch Inc. 11 p.
43132106	Romanelli, P. (1993) Guinea Pig Dermal Sensitization, 9 Induction Application-Modified Buehler Method (D-Trans Intermediate 2247): Lab Project Number: 93-7890A. Unpublished study prepared by Biosearch, Inc. 23 p.
43142300	3M Animal Care Products (1994) Submission of toxicity data in support of registration for Duratrol Plus Household Flea Spray. Transmittal of 1 study.
43142301	Kuhn, J. (1994) Dermal Sensitization Study with Duratrol Plus Household Flea Spray in Guinea Pigs: Addendum: Lab Project Number: 0684/93. Unpublished study prepared by Stillmeadow, Inc. 17 p.

MRID #	Citation
43148700	Whitmire Research Lab., Inc. (1994) Submission of product chemistry and toxicity data in support of registration for Whitmire PT 525 Microfill Contact Insecticide. Transmittal of 7 studies.
43148701	Sarli, M. (1994) Product Chemistry: Whitmire PT 525 Microfill Contact Insecticide: Lab Project Number: WRL/93/0091/0092: 93-0091/0092. Unpublished study prepared by Whitmire Research Lab., Inc. 10 p.
43148702	Gabriel, D. (1993) Acute Oral Toxicity, Single Level-Rats: PT 525 Microfill, v.10; Concentrate Less Propellant: Lab Project Number: 93/7894A. Unpublished study prepared by Biosearch Inc. 11 p.
43148703	Gabriel, D. (1993) Acute Dermal Toxicity, Single Level-Rabbits: PT 525 Microfill, v.10; Concentrate Less Propellant: Lab Project Number: 93/7894A. Unpublished study prepared by Biosearch Inc. 14 p.
43148704	Hershman, R. (1993) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure-Rats: PT 525 Microfill, v.10; Concentrate Less Propellant: Lab Project Number: 93/7894A. Unpublished study prepared by Biosearch Inc. 29 p.
43148705	Moore, G. (1993) Primary Eye Irritation-Rabbits: Whitmire PT 525 Microfill, Pressurized Product: Lab Project Number: 93/7860A. Unpublished study prepared by Biosearch Inc. 15 p.
43148706	Moore, G. (1993) Primary Skin Irritation-Rabbits: PT 525 Microfill, v.10; Concentrate Less Propellant: Lab Project Number: 93/7894A. Unpublished study prepared by Biosearch Inc. 11 p.
43148707	Romanelli, P. (1993) Guinea Pig Dermal Sensitization, 9 Induction Applications-Modified Buehler Method: PT 525 Microfill, v.10; Concentrate Less Propellant: Lab Project Number: 93/7894A. Unpublished study prepared by Biosearch Inc. 22 p.
43168400	Fermenta Animal Health Co. (1994) Submittal of Product Chemistry and Toxicity Data in Support of Registration of Ptenocide Pet Spray. Transmittal of 7 studies.
43168401	Vasquez, K. (1994) Ptenocide Pet Spray Product Chemistry Data. Unpublished study prepared by Fermenta Animal Health Co. 23 p.
43168402	Robbins, G. (1993) Acute Oral Toxicity Study in Rats: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: A3354: S5907-11. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 20 p.
43168403	Robbins, G. (1993) Acute Dermal Absorption in Rabbits: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: B3354: S5907-11. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 24 p.
43168404	Robbins, G. (1993) Acute Inhalation Study in Rats: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: C3354: S5907-11. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 36 p.
43168405	Robbins, G. (1993) Primary Eye Irritancy in Rabbits: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: D3354: S5907-11. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 26 p.
43168406	Robbins, G. (1993) Primary Eye Irritancy in Rabbits: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: S5907-11: E3354. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 18 p.
43168407	Robbins, G. (1993) Guinea Pig Sensitization Study: Ptenocide (Pyriproxyfen) Pet Spray: Lab Project Number: S5907-11: F3354. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 26 p.
43173300	Fermenta Animal Health Co. (1994) Submission of Product Chemistry Data for Ptenocide Aerosol House & Carpet Spray in Support of Registration. Transmittal of 1 study.
43173301	Vasquez, K. (1994) Ptenocide Aerosol House & Carpet Spray: Product Chemistry Data. Unpublished study prepared by Fermenta Animal Health Co. 25 p.
43176000	Roussel Uclaf Corp. (1994) Submission of product chemistry and toxicity data in support of registration for Saga MC. Transmittal of 10 studies.

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43176001	Johnston, S. (1994) Product Identity and Composition of Saga MC Microencapsulated Insecticide. Unpublished study prepared by Roussel Uclaf Corp. 33 p.
43176002	Johnston, S. (1994) Analysis and Certification of Product Ingredients of Saga MC Microencapsulated Insecticide. Unpublished study prepared by Roussel Uclaf Corp. 17 p.
43176003	Girard, M.; Johnson, D. (1992) Esbiothrin 3.23 (percent) Tralomethrin 3.87 (percent) Microencapsulated Product: Determination of Product Chemistry: Lab Project Number: 132. Unpublished study prepared by Roussel Bio Corp. 13 p.
43176004	Kuhn, J. (1992) Acute Oral Toxicity Study in Rats with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8656/92: RBT/91/153. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43176005	Kuhn, J. (1992) Acute Dermal Toxicity Study in Rabbits with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8657/92: RBT/91/154. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43176006	Holbert, M. (1992) Acute Inhalation Toxicity Study in Rats with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8658/92: RBT/91/155. Unpublished study prepared by Stillmeadow, Inc. 42 p.
43176007	Kuhn, J. (1992) Primary Eye Irritation Study in Rabbits with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8659/92: RBT/91/156. Unpublished study prepared by Stillmeadow, Inc. 20 p.
43176008	Kuhn, J. (1992) Primary Dermal Irritation Study in Rabbits with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8660/92: RBT/91/157. Unpublished study prepared by Stillmeadow, Inc. 14 p.
43176009	Kuhn, J. (1992) Dermal Sensitization Study in Guinea Pigs with Esbiothrin 3.23% Tralomethrin 3.87% MEC: Lab Project Number: 8661/92: RBT/91/158. Unpublished study prepared by Stillmeadow, Inc. 18 p.
43176010	McKeon, M. (1993) Two-Week Safety Study in Dogs of Esbiothrin/ Tralomethrin Microcap Dog Dip: Final Report: Lab Project Number: HWA/2623/106: RBT/92/119. Unpublished study prepared by Hazleton Washington, Inc. 126 p.
43178900	McLaughlin Gormley King Co. (1994) Submission of Product Chemistry Data and Toxicity Data for D-TRANS NYLAR Residual Spray 2640 in Support of Registration. Transmittal of 7 studies.
43178901	Gabriel, D. (1993) Acute Oral Toxicity, Single Level--Rats: D-TRANS NYLAR Residual Spray 2640: (non-volatiles)--Code #111-93: Lab Project Number: 93-7783A: AOT-210. Unpublished study prepared by Biosearch Inc. 11 p.
43178902	Gabriel, D. (1993) Acute Dermal Toxicity, Single Level--Rabbits: D-TRANS NYLAR Residual Spray 2640: (non-volatiles)--Code #111-93: Lab Project Number: 93-7783A: ADT-210. Unpublished study prepared by Biosearch Inc. 15 p.
43178903	Hershman, R. (1993) Acute Inhalation Toxicity, Two Level, 4-Hour Exposure--Rats: D-TRANS NYLAR Residual Spray 2640: (non-volatiles)--Code #111-93: Lab Project Number: 93-7783A: AIT-214. Unpublished study prepared by Biosearch Inc. 41 p.
43178904	Moore, G. (1993) Primary Eye Irritation--Rabbits: D-TRANS NYLAR Residual Spray 2640: Code #111-93: Lab Project Number: 93-7783A: PEI-206. Unpublished study prepared by Biosearch Inc. 15 p.
43178905	Moore, G. (1993) Primary Skin Irritation--Rabbits: D-TRANS NYLAR Residual Spray 2640: Code #111-93: Lab Project Number: 93-7783A: PSI-206-037. Unpublished study prepared by Biosearch Inc. 12 p.
43178906	Romanelli, P. (1993) Guinea Pig Dermal Sensitization--Modified Buehler Method: D-TRANS NYLAR Residual Spray 2640: (non-volatiles)--Code #111-93: Lab Project Number: 93-7783A: GPS-210. Unpublished study prepared by Biosearch Inc. 24 p.

MRID #	Citation
43178907	Sundquist, D. (1994) Storage Stability: D-TRANS NYLAR Residual Spray 2640: Lab Project Number: 2640A: 488. Unpublished study prepared by McLaughlin Gormley King Co. 7 p.
43202200	Roussel Uclaf Corp. (1994) Submission of toxicity data in support of registration for Crossfire APS 2. Transmittal of 1 study.
43202201	Hoffman, G. (1988) An Acute Inhalation Toxicity Study of SBP- 1382/Esbiothrin/Piperonyl Butoxide Insecticide Aqueous Pressurized Spray 0.2%+0.4% 1.6%: Final Report: Lab Project Number: 88/8080. Unpublished study prepared by Bio/Dynamics, Inc. 56 p.
43231400	SmithKline Beecham Animal Health (1994) Submittal of Toxicity Data in Support of Registration of Esbiothrin 14 Day Flea Dip. Transmittal of 1 study.
43231401	Kiorpes, A. (1994) Acute Target Animal Safety Study with Esbiothrin: 14 Day Flea and Tick Dip in Dogs: Final Report: Lab Project Number: HWI 6420-105: ES-DP-0118-93. Unpublished study prepared by Hazleton Wisconsin, Inc. 171 p.
43235800	Roussel Uclaf Corp. (1994) Submission of toxicity data in support of registration for Esbiothrin Technical. Transmittal of 1 study.
43235801	Handley, J.; Sewell, I.; Bartlett, A. (1993) The Acute Toxicity of Esbiothrin to Daphnia Magna: Lab Project Number: 154/1614. Unpublished study prepared by Safepharm Laboratories Ltd. 37 p.
43240400	The Hartz Mountain Corp. (1994) Submission of Toxicity Data for Hartz Control Pet Care System Flea & Tick Conditioning Shampoo for Dogs in Support of Registration. Transmittal of 1 study.
43240401	Hershman, R. (1994) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure-Rats: Hartz Control Pet Care System Flea & Tick Conditioning Shampoo for Dogs: Lab Project Number: 93-7886A: AIT-200. Unpublished study prepared by Biosearch Inc. 38 p.
43243800	Rainbow Technology Corp. (1994) Submission of product chemistry data in support of registration of Rainbow Point Three Wasp & Ant Spray. Transmittal of 1 study.
43243801	Orman, J.; LeVasseur, R. (1994) Storage Stability Data of Rainbow Point Three Wasp & Ant Spray: Lab Project Number: TAA/01092. Unpublished study prepared by Speer Products, Inc. 13 p.
43249800	3M Animal Care Products (1992) Submittal of Efficacy Data in Support of Registration for Duratrol Plus Flea & Tick Dip For Dogs. Transmittal of 1 study.
43249801	Cruthers, L. (1992) Initial and Residual Activity Against Ixodes Dammini Nymphs Using Treated Filter Paper as the Testing Substance Duratrol Plus Flea and Tick Dip for Dogs. Unpublished study prepared by Professional Lab. & Research Services, Inc. 17 p.
43260900	Roussel UCLAF Corp. (1994) Submittal of Toxicity Data in Support of Registration of Bioram 7.5%/12.5% Insecticide Concentrate. Transmittal of 6 Studies.
43260901	Kuhn, J. (1994) Acute Oral Toxicity Study In Rats with RUC #417: Lab Project Number: 0960-94: T-93-164. Unpublished study prepared by Stillmeadow, Inc. 16 p.
43260902	Kuhn, J. (1994) Acute Dermal Toxicity Study In Rabbits with RUC #417: Lab Project Number: T-93-165: 0961-94. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43260903	Holbert, M. (1994) Acute Inhalation Toxicity Study In Rats with RUC #417: Lab Project Number: T-93-169: 0962-94. Unpublished study prepared by Stillmeadow, Inc. 20 p.
43260904	Kuhn, J. (1994) Primary Eye Irritation Study In Rabbits with RUC #417: Lab Project Number: T-93-167: 0963-94. Unpublished study prepared by Stillmeadow, Inc. 18 p.
43260905	Kuhn, J. (1994) Primary Dermal Irritation Study In Rabbits with RUC #417: Lab Project Number: T-93-166: 0964-94. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43260906	Kuhn, J. (1994) Dermal Sensitization Study In Guinea Pigs with RUC #417: Lab Project Number: T-93-168: 0965-94. Unpublished study prepared by Stillmeadow, Inc. 17 p.
43261000	Roussel Uclaf Corp. (1994) Submittal of Toxicity Data in Support of Registration of SBP-1382/Esbiothrin/Piperonyl Butoxide Concentrate 5%/10%/40%, Formula I. Transmittal of 6 Studies.
43261001	Kuhn, J. (1994) Acute Oral Toxicity Study in Rats With RUC #415: Lab Project Number: T-93-150: 1030-94. Unpublished study prepared by Stillmeadow Inc. 21 p.

MRID #	Citation
43261002	Kuhn, J. (1994) Acute Dermal Toxicity Study in Rabbits with RUC #415: Lab Project Number: T-93-151: 1031-94. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43261003	Holbert, M. (1994) Acute Inhalation Toxicity Study in Rats with RUC #415: Lab Project Number: T-93-155: 1032-94. Unpublished study prepared by Stillmeadow, Inc. 32 p.
43261004	Kuhn, J. (1994) Primary Eye Irritation Study in Rabbits with RUC #415: Lab Project Number: T-93-153: 1033-94. Unpublished study prepared by Stillmeadow, Inc. 18 p.
43261005	Kuhn, J. (1994) Primary Dermal Irritation Study in Rabbits with RUC #415: Lab Project Number: 1034-94. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43261006	Kuhn, J. (1994) Dermal Sensitization Study in Guinea Pigs with RUC #415: Lab Project Number: T-93-154: 1035-94. Unpublished study prepared by Stillmeadow, Inc. 17 p.
43261100	Roussel UCLAF Corp. (1994) Submittal of Toxicity Data in Support of Registration of SBP-1382/Bioallethrin APS 0.25% for Home & Garden. Transmittal of 5 Studies.
43261101	Kuhn, J. (1994) Acute Oral Toxicity Study in Rats with RUC #430: Lab Project Number: T-94-109: 1054-94. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43261102	Kuhn, J. (1994) Acute Dermal Toxicity Study in Rabbits with RUC #430: Lab Project Number: T-94-110: 1055-94. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43261103	Kuhn, J. (1994) Primary Eye Irritation Study in Rabbits with RUC #430: Lab Project Number: T-94-112: 1057-94. Unpublished study prepared by Stillmeadow, Inc. 18 p.
43261104	Kuhn, J. (1994) Primary Dermal Irritation Study in Rabbits with RUC #430: Lab Project Number: T-94-113: 1058-94. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43261105	Kuhn, J. (1994) Dermal Sensitization Study in Guinea Pigs with RUC #430: Lab Project Number: T-94-114: 1059-94. Unpublished study prepared by Stillmeadow, Inc. 17 p.
43261400	Roussel Uclaf Corp. (1994) Submission of Toxicity Data for SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I in Support of Registration. Transmittal of 6 studies.
43261401	Kuhn, J. (1994) Acute Oral Toxicity Study in Rats with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1036-94: T-93-158. Unpublished study prepared by STILLMEADOW, Inc. 16 p.
43261402	Kuhn, J. (1994) Acute Dermal Toxicity Study in Rabbits with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1037-94: T-93-159. Unpublished study prepared by STILLMEADOW, Inc. 11 p.
43261403	Holbert, M. (1994) Acute Inhalation Toxicity Study in Rats with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1038-94: T-93-163. Unpublished study prepared by STILLMEADOW, Inc. 19 p.
43261404	Kuhn, J. (1994) Primary Eye Irritation Study in Rabbits with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1039-94: T-93-161. Unpublished study prepared by STILLMEADOW, Inc. 18 p.
43261405	Kuhn, J. (1994) Primary Dermal Irritation Study in Rabbits with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1040-94: T-93-160. Unpublished study prepared by STILLMEADOW, Inc. 12 p.
43261406	Kuhn, J. (1994) Dermal Sensitization Study in Guinea Pigs with RUC# 416: SBP-1382/Bioallethrin Insecticide Concentrate 10%-7.5% Formula I: Lab Project Number: 1041-94: T-93-162. Unpublished study prepared by STILLMEADOW, Inc. 17 p.
43268700	Fermenta Animal Health Co. (1994) Submission of exposure to target animals data in support of registration of Ptenocide Aerosol House & Carpet Spray. Transmittal of 1 study.
43268701	Heimbichner, D.; Stroh, S. (1994) Target Species Safety Study with Ptenocide Pet Spray in Adult and Juvenile Dogs and Cats: Final Report: Lab Project Number: 2315. Unpublished study prepared by Fermenta Animal Health Research Center. 91 p.

MRID #	Citation
43288400	Roussel Uclaf Corp. (1994) Submission of toxicity data in support of FIFRA 6(a)(2) requirement for Saga MC Microencapsulated Insecticide. Transmittal of 1 study.
43288401	Johnston, S. (1994) Letter Sent to J. Hebert dated May 5, 1994: Saga MC Microencapsulated Insecticide: (Two week safety study in dogs). Prepared by Roussel Uclaf Corp. 1 p.
43293400	Roussel Uclaf (1994) Submission of Toxicity Data in Response to EPA Request in Chronic Dog Study Review Dated April 27, 1992 Submitted in Support of Allethrin Registration Standard. Transmittal of 1 Study.
43293401	Petra, D. (1986) Dose Range Finding in Dogs by Repeated Oral Administration for 28 Days: Esbiothrin: Final Report: Lab Project Number: 2180 TSC. Unpublished study prepared by Centre International de Toxicologie. 319 p.
43329100	Roussel Uclaf Corp. (1994) Submission of Product Chemistry Data in Support of Application for Registration of Esbiol 90% Concentrate. Transmittal of 3 Studies.
43329101	Johnston, S. (1994) Product Identity and Composition of Esbiol 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 25 p.
43329102	Johnston, S. (1994) Analysis and Certification of Product Ingredients of Esbiol 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 15 p.
43329103	Vera, I. (1994) Esbiol 90-(percent) Concentrate: Determination of Product Chemistry (Physical and Chemical Characteristics): Lab Project Number: 198. Unpublished study prepared by Roussel Uclaf Corp. 16 p.
43329200	Roussel Uclaf Corp. (1994) Submission of product chemistry data in support of registration for Esbiothrin 90% Concentrate. Transmittal of 3 studies.
43329201	Johnston, S. (1994) Product Identity and Composition of Esbiothrin 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 24 p.
43329202	Johnston, S. (1994) Analysis and Certification of Product Ingredients of Esbiothrin 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 15 p.
43329203	Vera, I. (1994) Esbiothrin 90% Concentrate: Determination of Product Chemistry: Lab Project Number: 199. Unpublished study prepared by Roussel Uclaf Corp. 16 p.
43330100	Roussel Uclaf Corp. (1994) Submission of product chemistry data in support of registration of SBP-1382/Bioallethrin 10-7.5 FI. Transmittal of 1 study.
43330101	Vera, I. (1994) SBP-1382/Bioallethrin 10-7.5 FI: Determination of Product Chemistry: Lab Project Number: 202. Unpublished study prepared by Roussel Uclaf Corp. 16 p.
43338900	Bengal Chemical, Inc. (1994) Submission of product chemistry and toxicology data in support of registration of Bengal Water-based Wasp & Hornet Killer. Transmittal of 8 studies.
43338901	Orman, J. (1994) Product Chemistry: Bengal Water-based Wasp & Hornet Spray (d-trans Allethrin, Piperonyl Butoxide, Permethrin): Lab Project Number: TAA/02693. Unpublished study prepared by Speer Products, Inc. 20 p.
43338902	Orman, J.; LeVasseur, R. (1994) Product Chemistry Data: Physical and Chemical Characteristics of Bengal Water-based Wasp & Hornet Spray: Lab Project Number: TAA/02693. Unpublished study prepared by Speer Products, Inc. 14 p.
43338903	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Acute Oral Toxicity Limit Test: Lab Project Number: 2854. Unpublished study prepared by Product Safety Labs. 15 p.
43338904	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Acute Dermal Toxicity Limit Test: Lab Project Number: 2856. Unpublished study prepared by Product Safety Labs. 15 p.
43338905	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Acute Inhalation Toxicity Limit Test: Lab Project Number: 2858. Unpublished study prepared by Product Safety Labs. 24 p.
43338906	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Primary Eye Irritation: Lab Project Number: 2859. Unpublished study prepared by Product Safety Labs. 21 p.

MRID #	Citation
43338907	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Primary Skin Irritation: Lab Project Number: 2855. Unpublished study prepared by Product Safety Labs. 16 p.
43338908	Wnorowski, G. (1994) Bengal Water-based Wasp & Hornet, SPI #6660: Dermal Sensitization Test-Buehler Method: Lab Project Number: 2857. Unpublished study prepared by Product Safety Labs. 28 p.
43346300	Roussel Uclaf Corp. (1994) Submission of Product Chemistry Data in Support of Registration of SBP-1382/Bioallethrin. Transmittal of Study.
43346301	Vera, I. (1994) SBP-1382/Bioallethrin 0.2-0.15 Aqueous Pressurized Spray: Determination of Product Chemistry: (Physical and Chemical Characteristics): Lab Project Number: 203. Unpublished study prepared by Roussel Uclaf Corp. 17 p.
43367300	Roussel Uclaf Corp. (1994) Submission of product chemistry data in support of registration for Bioallethrin 90% Concentrate. Transmittal of 3 studies.
43367301	Johnston, S. (1994) Product Identity and Composition of Bioallethrin 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 24 p.
43367302	Johnston, S. (1994) Analysis and Certification of Bioallethrin 90% Concentrate. Unpublished study prepared by Roussel Uclaf Corp. 15 p.
43367303	Vera, I. (1994) Bioallethrin 90% Concentrate: Determination of Product Chemistry: Lab Project Number: 208. Unpublished study prepared by Roussel Uclaf Corp. 16 p.
43428900	Roussel Uclaf Corp. (1994) Submission of toxicity data in support of registration for SBP-1382/Bioallethrin APS 0.25%. Transmittal of 1 study.
43428901	Holbert, M. (1994) Acute Inhalation Toxicity Study in Rats with RUC# 430 with A-46 Propellant: Final Report: Lab Project Number: 1056/94: T/94/111. Unpublished study prepared by Stillmeadow, Inc. 20 p.
43430900	Animal Care Products of 3M (1994) Submission of product chemistry and toxicity data in support of registration for Duratrol Plus Household Flea Spray with NyLar. Transmittal of 7 studies.
43430901	Pinault, D. (1994) Chemistry and Manufacturing with Duratrol Plus Household Flea Spray with NyLar. Unpublished study prepared by Animal Care Products of 3M. 22 p.
43430902	Kuhn, J. (1993) Acute Oral Toxicity Screen with Duratrol Plus Household Flea Spray with NyLar in Albino Rats: Lab Project Number: 0598/93. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43430903	Kuhn, J. (1993) Acute Dermal Toxicity Study with Duratrol Plus Household Flea Spray with NyLar in Albino Rabbits: Lab Project Number: 0599/93. Unpublished study prepared by Stillmeadow, Inc. 11 p.
43430904	Holbert, M. (1994) Acute Inhalation Toxicity Study with Duratrol Plus Household Flea Spray with NyLar in Albino Rats: Lab Project Number: 0600/93. Unpublished study prepared by Stillmeadow, Inc. 19 p.
43430905	Kuhn, J. (1993) Primary Eye Irritation with Duratrol Plus Household Flea Spray with NyLar in Albino Rabbits: Lab Project Number: 0601/93. Unpublished study prepared by Stillmeadow, Inc. 16 p.
43430906	Kuhn, J. (1993) Primary Dermal Irritation Study with Duratrol Plus Household Flea Spray with NyLar in Rabbits: Lab Project Number: 0602/93. Unpublished study prepared by Stillmeadow, Inc. 12 p.
43430907	Kuhn, J. (1994) Dermal Sensitization Study with Duratrol Plus Household Flea Spray with NyLar in Guinea Pigs: Lab Project Number: 0603/93. Unpublished study prepared by Stillmeadow, Inc. 17 p.
43457900	Roussel Uclaf Corp. (1994) Submission of Product Chemistry Data in Support of Application for Registration of Saga MC Micro- encapsulated Insecticide. Transmittal of 1 Study.
43457901	Essig, K. (1993) Esbiothrin 3.23 (percent) Tralomethrin 3.87 (percent) Microencapsulated Product: Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 116. Unpublished study prepared by Roussel Uclaf Corp. 56 p.
43481700	Celex Corp. (1994) Submission of Product Chemistry Data in Support of Application for Registration of House & Garden Bug Killer 4. Transmittal of 1 study.

MRID #	Citation
43481701	Celex Corp. (1994) Product Chemistry: House & Garden Bug Killer 4: Lab Project Number: CELEX 1994-5. Unpublished study. 12 p.
43512000	AgrEvo Environmental Health (1995) Submission of Product Chemistry in Support of the Registration of SBP-1382/Bioallethrin 0.2 (percent) + 0.15 (percent) Aqueous Pressurized Spray. Transmittal of 1 Study.
43512001	Johnston, S. (1995) Product Identity and Composition of SBP-1382/Bioallethrin 0.2 (percent) + 0.15 (percent) Aqueous Pressurized Spray. Unpublished study prepared by AgrEvo Environmental Health. 37 p.
43566700	Smithkline Beecham Animal Health (1995) Submission of Toxicity Data in Support of Amendment to Registration of Esbiothrin Flea and Tick Mist. Transmittal of 1 Study.
43566701	Glaza, S. (1995) Primary Eye Irritation Study of Esbiothrin Flea and Tick Mist (Modified) in Rabbits: Final Report: Lab Project Number: HWI 6420-123: ES-SP-0120-94. Unpublished study prepared by Hazleton Wisconsin, Inc. 46 p.
43573400	David and Jane's Canada, Inc. (1995) Submission of product chemistry data in support of registration of Hunter Mosquito Coils (allethrin). Transmittal of 1 study.
43573401	Quinn, E. (1995) Description of Beginning Materials and Manufacturing Process: (Hunter Mosquito Coils). Unpublished study prepared by Insect Control and Research, Inc. 17 p.
43576400	AgrEvo Environmental Health (1995) Submission of supplemental product chemistry data in support of registration of Esbiothrin. Transmittal of 1 study.
43576401	Giudicelli, J.; Grelet, D. (1995) Esbiothrin: Product Chemistry Data: Supplemental to MRID Nos: 41953801, 41953802, 42133301: Lab Project Number: 94/7215/ZB: 94/07231/ZA. Unpublished study prepared by AgrEvo Environmental Health. 242 p.
43576500	AgrEvo Environmental Health (1995) Submission of Product Chemistry Data in Support of the Allethrin Stereoisomers Registration Standard. Transmittal of 1 Study.
43576501	Giudicelli, J.; Grelet, D. (1995) BIOALLETHRIN--Product Chemistry Data: Supplemental Data: Lab Project Number: 94/7214/ZB: 94/07232/ZA. Unpublished study prepared by AgrEvo Environmental Health. 228 p.
43625600	McLaughlin Gormley King Co. (1995) Submission of Toxicology Data in Support of the Registration of ESBIOL Residual Contact Spray 2236. Transmittal of 2 Studies.
43625601	Gabriel, D. (1995) Acute Dermal Toxicity, Single Level--Rabbits: ESBIOL Residual Contact Spray 2236: Lab Project Number: 94-7990A. Unpublished study prepared by Biosearch Inc. 15 p.
43625602	Moore, G. (1994) Guinea Pig Dermal Sensitization, 9 Induction Applications--Modified Buehler Method: ESBIOL Residual Contact Spray 2236: Lab Project Number: 94-7990A. Unpublished study prepared by Biosearch Inc. 23 p.
43658200	Fermenta Animal Health Co. (1995) Submission of Product Chemistry and Toxicity Data in Support of the Registration of Americare Pet Pour-on. Transmittal of 8 Studies.
43658201	Vasquez, K. (1995) Americare Pet Pour-on Product Chemistry Data. Unpublished study prepared by Fermenta Animal Health Co. 22 p.
43658202	Heimbichner, D. (1995) Target Animal Safety Study with Ptenocide and Ectogard Pour-on Formulations in Dogs: Lab Project Number: 2362. Unpublished study prepared by Fermenta Animal Health Co. 63 p.
43658203	Robbins, G. (1994) Acute Oral Toxicity of Ectogard Pet Pour-On in Rats: Lab Project Number: A3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 21 p.
43658204	Robbins, G. (1994) Acute Dermal Toxicity of Ectogard Pet Pour-On in Rabbits: Lab Project Number: B3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 22 p.
43658205	Robbins, G. (1994) Acute Inhalation Toxicity of Ectogard Pet Pour-On in Rats: Lab Project Number: C3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 35 p.

MRID #	Citation
43658206	Robbins, G. (1994) Primary Eye Irritation of Ectogard Pet Pour-On in Rabbits: Lab Project Number: D3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 30 p.
43658207	Robbins, G. (1994) Primary Dermal Irritation of Ectogard Pet Pour-On on Rabbits: Lab Project Number: E3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 18 p.
43658208	Robbins, G. (1994) Dermal Sensitization--(Buehler) of Ectogard Pet Pour-On on Guinea Pigs: Lab Project Number: F3412. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 26 p.
43676700	Bengal Chemical, Inc. (1995) Submission of product chemistry data in support of registration for Bengal Waterbased Wasp & Hornet Killer. Transmittal of 1 study.
43676701	Orman, J. (1994) Product Chemistry: Bengal Water Based Wasp & Hornet Spray: (d-trans Allethrin, Piperonyl Butoxide, Permethrin): (Amended Report): Lab Project Number: TAA/02693. Unpublished study prepared by Speer Products, Inc. 20 p.
43684000	Speer Products, Inc. (1995) Submission of Product Chemistry Data in Support of the Registration of Speer D-Trans Residual Spray with Nylar. Transmittal of 1 Study.
43684001	Speer Products (1995) Speer D-Trans Residual Spray with Nylar: Product Chemistry Data. Unpublished study. 9 p.
43684500	Speer Products, Inc. (1995) Submission of Product Chemistry Data in Support of the Registration of Speer Total Release Aerosol III with Nylar. Transmittal of 1 Study.
43684501	Speer Products (1995) Speer Total Release Aerosol III with Nylar: Product Chemistry Data. Unpublished study. 9 p.
43696500	AgrEvo Environmental Health (1995) Submission of Toxicology Data in Support of the Registration Standard for Allethrin Stereoisomers. Transmittal of 1 Study.
43696501	Cifone, M. (1995) Mutagenicity Test on RUC #805 in the L5178Y TK+/-Mouse Lymphoma Forward Mutation Assay: Final Report: Lab Project Number: 16624-0-431: T-94-164: 20989. Unpublished study prepared by Corning Hazleton Inc. 33 p.
43705600	3M Animal Care Products (1995) Submission of Efficacy Data in Support of Registration Amendments for SECTROL Plus Flea Foam, SECTROL Pet & Premise Flea Spray, and Pymectrol Pet Spray. Transmittal of 1 Study.
43705601	Slone-Eure, R. (1995) Initial and Residual Activity Against Ixodes scapularis (Dammini) Nymphs Using Treated Filter Paper: SECTROL Plus Flea Foam, SECTROL Pet & Premise Flea Spray, PYMECTROL Pet Spray: Lab Project Number: PLRS 9530. Unpublished study prepared by Professional Laboratory and Research Services, Inc. 20 p.
43705700	3M Animal Care Products (1995) Submission of Efficacy Data in Support of a Registration Amendment for DURATROL Plus Flea Spray for Dogs. Transmittal of 1 Study.
43705701	Slone-Eure, R. (1995) Initial and Residual Activity Against Ixodes scapularis (Dammini) Nymphs Using Treated Filter Paper: DURATROL Plus Flea Spray for Dogs: Lab Project Number: PLRS 9530. Unpublished study prepared by Professional Laboratory and Research Services, Inc. 20 p.
43721100	AgrEvo Environmental Health (1995) Submission of Product Chemistry Data in Support of the Reregistration of Bioallethrin. Transmittal of 1 Study.
43721101	Wells, D. (1995) Bioallethrin: Determination of Vapor Pressure Using a Gas Saturation Method: Lab Project Number: 95-5-5841: 1664.1294.6112.740. Unpublished study prepared by Springborn Labs, Inc. 44 p.
43751900	S.C. Johnsons & Sons, Inc. (1995) Submission of Toxicology Data in Support of the Registration of Raid Formula 5 Flying Insect Killer. Transmittal of 7 Studies
43751901	Reagan, E. (1992) Primary Dermal Irritation Study of 4957D108-1 (Non-Pressurized) in New Zealand White Rabbits: Reformatted Report: Lab Project Number: 8031A. Unpublished study prepared by Food and Drug Research Labs. 19 p.

MRID #	Citation
43751902	Reagan, E. (1992) Primary Eye Irritation Study of 4957D108-1 (Non-Pressurized) in New Zealand White Rabbits: Reformatted Report: Lab Project Number: 8031A: 84-0156. Unpublished study prepared by Food and Drug Research Labs. 23 p.
43751903	Bieseimer, J. (1992) Acute Inhalation Toxicity Study of 4957D108-1 in Sprague-Dawley Rats: Reformatted Report: Lab Project Number: 8031B: 84-0187: 305. Unpublished study prepared by Food and Drug Research Labs. 63 p.
43751904	Reagan, E. (1992) Acute Dermal Toxicity Study of 4957D108-1 (Non-Pressurized) in New Zealand White Rabbits: Reformatted Report: Lab Project Number: 8031A: 84-0186. Unpublished study prepared by Food and Drug Research Labs. 27 p.
43751905	Reagan, E. (1992) Acute Oral Toxicity Study of 4957D108-1 (Non-Pressurized) in Sprague-Dawley Rats: Reformatted Report: Lab Project Number: 8031A: 84-0186. Unpublished study prepared by Food and Drug Research Labs. 27 p.
43751906	Morris, T. (1994) Delayed Contact Hypersensitivity Study in Guinea Pigs (Buehler Technique): Lab Project Number: 94-8327-21. Unpublished study prepared by Hill Top Biolabs, Inc. 43 p.
43751907	Reagan, E. (1992) Primary Eye Irritation Study of 4957D108-1 (Pressurized) in New Zealand Rabbits: Reformatted Report: Lab Project Number: 8031B: 84-0187. Unpublished study prepared by Food and Drug Labs. 24 p.
43752300	AgrEvo Environmental Health (1995) Submission of Product Chemistry and Toxicology Data in Support of the Registration Standard for Allethrin. Transmittal of 3 Studies.
43752301	Lawlor, T. (1995) Mutagenicity Test on RUC#805 in the Salmonella/Mammalian-Microsome Reverse Mutation Assay: (Ames Test): Final Report: Lab Project Number: 16624-0-401: T-94-163. Unpublished study prepared by Corning Hazleton Inc. 33 p.
43752302	Rich, P. (1995) 1 Year Ambient Storage Stability of Technical Esbiothrin: Lab Project Number: PDD/03/94. Unpublished study prepared by AgrEvo Environmental Health Ltd. 18 p.
43752303	Rich, P. (1995) 1 Year Ambient Storage Stability of Technical Bioallethrin: Lab Project Number: PDD/01/94. Unpublished study prepared by AgrEvo Environmental Health Ltd. 18 p.
43754600	Bengal Chemical, Inc. (1995) Submission of Efficacy Data in Support of the Amended Registration of Bengal Indoor Fogger 92. Transmittal of 2 Studies.
43754601	Mitchell, K. (1995) Laboratory Testing of the Efficacy of Bengal Fogger (Formulation 7086) Against the German Cockroach, <i>Blattella germanica</i> : Lab Project Number: C-2174-95. Unpublished study prepared by MGK Technical Services. 8 p.
43754602	Mitchell, K. (1995) Laboratory Testing of the Efficacy of Bengal Fogger (Formulation 7086), Against the Cat Flea, <i>Ctenocephalides felis</i> : Lab Project Number: E-3372-95. Unpublished study prepared by MGK Technical Services. 8 p.
43760400	Sumitomo Chemical Co., Ltd. (1995) Submission of Toxicology Data in Support of the Allethrin Registration Standard. Transmittal of 1 Study.
43760401	Edwards, C.; Connaughton, K.; Crook, D.; et al. (1986) Pynamin Forte Toxicity to Mice by Repeated Dietary Administration for 5 Weeks: Lab Project Number: SMO 237/8625: KT-61-0064: SMO 237. Unpublished study prepared by Huntingdon Research Centre Ltd. 232 p.
43777900	Bengal Chemical, Inc. (1995) Submission of Product Chemistry Data in Support of the Amended Registration of Bengal Indoor Fogger. Transmittal of 1 Study.
43777901	LeVasseur, R. (1995) Product Chemistry: Bengal Indoor Fogger 92. Unpublished study prepared by Speer Products, Inc. 24 p.
43783900	3M/Animal Care Products (1995) Submission of toxicity data in support of the registration for Duratrol Plus Household Flea Spray. Transmittal of 1 study.
43783901	Kuhn, J. (1995) Acute Dermal Toxicity Study (in Rabbits): Duratrol Plus Household Flea Spray: Lab Project Number: 2208-95. Unpublished study prepared by Stillmeadow, Inc. 12 p.

MRID #	Citation
43788100	HWY Products Sdn. Berhad (1995) Submission of Product Chemistry Data in Support of the Registration of OKA Mosquito Repellent Mats. Transmittal of 1 Study.
43788101	Davis, K. (1995) Product Chemistry Data of OKA Mosquito Repellent Mats: Lab Project Number: RPCD. Unpublished study prepared by RegWest Co. 11 p.
43804400	AgrEvo Environmental Health (1995) Submission of toxicity data in support of registration standard for Esbiol (S-Bioallethrin) Technical. Transmittal of 1 study.
43804401	Murli, H. (1995) Mutagenicity Test on RUC #805: In an In Vivo Mouse Micronucleus Assay: Final Report: Lab Project Number: 16624-0-455: T-94-165. Unpublished study prepared by Corning Hazleton Inc. 29 p.
43815200	S.C. Johnson & Son, Inc. (1995) Submission of Product Chemistry Data in Support of the Application for Registration for Raid Yard Guard Outdoor Fogger Formula 284. Transmittal of 1 Study.
43815201	Schinkowitch, D.; Hurtienne, G. (1995) Raid Yard Guard Outdoor Fogger Formula 284: Product Chemistry Data: Lab Project Number: 113223: 7917P58-1. Unpublished study prepared by Insect Control Product Research S.C. Johnson & Son, Inc. 48 p.
43820100	AgrEvo Environmental Health (1995) Submission of Product Chemistry Data in Support of the Registration Standard for Allethrin. Transmittal of 1 Study.
43820101	Rich, P. (1995) 1 Year Ambient Storage Stability of Technical Esbiol: Lab Project Number: PDD/05/94: CCA-0499-06-03-E-A-2-01. Unpublished study prepared by AgrEvo Environmental Health. 19 p.
43841700	Bengal Chemical, Inc. (1995) Submission of Product Chemistry Data in Support of an Amendment to the Registration of Bengal Roach Spray II. Transmittal of 1 Study.
43841701	Orman, J. (1995) Disclosure of Chemical Composition of Bencor 105: Lab Project Number: BENCOR105.WK!. Unpublished study prepared by Bengal Chemical Inc. 7 p.
43843800	Walco-Linck Co. (1995) Submission of Product Chemistry Data in Support of the Application for Registration of TAT Roach & Ant Killer with Residual Action IV. Transmittal of 1 Study.
43843801	Davis, K. (1995) Product Chemistry Data of TAT Roach & Ant Killer with Residual Action IV: Lab Project Number: RTOPCD. Unpublished study prepared by RegWest Co. 11 p.
43844400	AgrEvo Environmental Health (1995) Submission of Product Chemistry, Toxicity, Metabolism and Residue Data in Support of the Registration of Esbiol 90, EBT 90 and Bioallethrin 90 and Petition for Tolerance for Allethrin Stereoisomers. Transmittal of 1 Study.
43844401	Johnston, S. (1995) Bioallethrin, Esbiothrin & S-bioallethrin: Reasonable Grounds in Support of Petition. Unpublished study prepared by AgrEvo Environmental Health. 265 p.
43874100	S.C. Johnson & Son, Inc. (1995) Submission of Toxicity Data in Support of the Registration of Raid Yard Guard Outdoor Fogger Formula V. Transmittal of 2 Studies.
43874102	Hoffman, G. (1995) Closed-Patch Repeated Insult Dermal Sensitization Study with Yard Guard Formula V minus Propellant in Guinea Pigs: (Buehler Method): Lab Project Number: 94-1083. Unpublished study prepared by Pharmaco LSR. 54 p.
43880300	S.C. Johnson and Son, Inc. (1995) Submission of Product Chemistry Data in Support of the Application for Registration of Raid Yard Guard Outdoor Fogger Formula VII. Transmittal of 1 Study.
43880301	Schinkowitch, D. (1995) Raid Yard Guard Outdoor Fogger Formula VII: Product Chemistry Data: Lab Project Number: 6420D21-2-C1. Unpublished study prepared by S. C. Johnson & Son Inc. 53 p.
43881200	AgrEvo Environmental Health (1995) Submission of Efficacy Data in Support of the Registration of Esbiol 90. Transmittal of 1 Study.
43881201	Lesiewicz, D. (1995) Summary of SBA Performance Data on Blattella germanica in Laboratory and Field Evaluations. Unpublished study prepared by AgrEvo Environmental Health. 4 p.
43914200	HWY Products Sdn. Berhad (1996) Submission of Product Chemistry Data in Support of the Application for Registration of HWY Mosquito Repellent Sticks. Transmittal of 1 Study.

MRID #	Citation
43914201	Davis, K. (1996) Product Chemistry Data of OKA Mosquito Repellent Sticks: Lab Project Number: GPCD. Unpublished study prepared by RegWest Co. 13 p.
43915300	S.C. Johnson & Son, Inc. (1996) Submission of Toxicity Data in Support of the Registration of Raid Yard Guard Outdoor Fogger Formula V. Transmittal of 4 Studies.
43915302	Hoffman, G. (1995) An Acute (4-Hour) Inhalation Toxicity Study of Yard Guard Formula V Minus Propellant in the Rat via Nose-Only Exposure: Final Report: Lab Project Number: 94-5205. Unpublished study prepared by Pharmaco LSR Inc. 81 p.
43915303	Costello, B. (1986) Acute Dermal Toxicity, Single Level--Rabbits with 6420D12-3 (6-20-86): Lab Project Number: 86-5226A: ADT-210. Unpublished study prepared by Biosearch, Inc. 16 p.
43917600	Family Products Sdn. Berhad (1996) Submission of Product Chemistry Data in Support of the Application for Registration of Family Mosquito Repellent Sticks. Transmittal of 1 Study.
43917601	Davis, K. (1996) Product Chemistry Data of Family Mosquito Repellent Sticks: Lab Project Number: LPCD. Unpublished study prepared by RegWest Co. 13 p.
43938600	S.C. Johnson and Son, Inc. (1995) Submission of Product Chemistry Data in Support of the Application for Registration of OFF! Yard & Deck Area Repellent II. Transmittal of 1 Study.
43938601	Schinkowitch, D. (1995) Product Chemistry Data: OFF! Yard & Deck Area Repellent II: Lab Project Number: 6420D21-2-C1. Unpublished study prepared by S. C. Johnson & Son, Inc. 53 p.
43939500	Fermenta Animal Health (1996) Submission of Toxicity Data in Support of the Registration of Ptenocide Aerosol House & Carpet Spray. Transmittal of 1 Study.
43939501	Robbins, G. (1993) p-Phenylenediamine: Guinea Pig Sensitization Study: (Positive Control Test for MRID 43168407): Lab Project Number: F0008. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 19 p.
43939600	Fermenta Animal Health (1996) Submission of Toxicity Data in Support of the Registration of Ptenocide Pet Spray. Transmittal of 1 Study.
43939601	Robbins, G. (1993) p-Phenylenediamine: Guinea Pig Sensitization Study: (Positive Control Test for MRID 43168407): Lab Project Number: F0008. Unpublished Study prepared by Cosmopolitan Safety Evaluation, Inc. 18 p.
43972900	DowElanco (1996) Submission of Product Chemistry and Toxicology Data in Support of Registration of Dursban WBO5 III. Transmittal of 6 Studies.
43972901	Lanman, B. (1996) Series 61: Product Identity and Composition of Dursban WBO5 III: A Ready to Use Insecticidal Treatment Containing Chlorpyrifos and d-trans Allethrin: Lab Project Number: GH-C 3937. Unpublished study prepared by Formulation Science and Technology, DowElanco. 89 p.
43972902	Gilbert, K. (1996) Dursban WBO5 III: Acute Dermal Toxicity Study in New Zealand White Rabbits: Lab Project Number: DR-0348-6940-002D. Unpublished study prepared by The Toxicology Research Laboratory, The Dow Chemical Co. 28 p.
43972903	Hoffman, G. (1995) Dursban WBO5 III: Acute Aerosol Inhalation Toxicity Study With Fischer 344 Rats: Lab Project Number: 95-5268: DR-0348-6940-001. Unpublished study prepared by Huntingdon Life Sciences. 55 p.
43972904	Gilbert, K. (1996) Dursban WBO5 III: Primary Eye Irritation Study In New Zealand White Rabbits: Lab Project Number: DR-0348-6940-002C. Unpublished study prepared by The Toxicology Research Laboratory, The Dow Chemical Co. 16 p.
43972905	Gilbert, K. (1996) Dursban WBO5 III: Primary Dermal Irritation Study In New Zealand White Rabbits: Lab Project Number: DR-0348-6940-002B. Unpublished study prepared by The Toxicology Research Laboratory, The Dow Chemical Co. 15 p.
43972906	Gilbert, K. (1996) Dursban WBO5 III: Dermal Sensitization Potential In The Hartley Albino Guinea Pig: Lab Project Number: DR-0348-6940-002E. Unpublished study prepared by The Toxicology Research Laboratory, The Dow Chemical Co. 18 p.

MRID #	Citation
43993500	AgrEvo Environmental Health (1996) Submission of Product Chemistry Data in Support of the Registration of SBP-1382/Bioallethrin Aqueous Pressurized Spray 0.2%-0.15%. Transmittal of 1 Study.
43993501	Essig, K. (1996) SBP-1382/Bioallethrin 0.2%-0.15% Aqueous Pressurized Spray: Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 181. Unpublished study prepared by AgrEvo Environmental Health. 30 p.
43993600	AgrEvo Environmental Health (1996) Submission of Product Chemistry Data in Support of Registration of SBP-1382/Bioallethrin Insecticide Concentrate 10% - 7.5% FI. Transmittal of 1 Study.
43993601	Essig, K. (1996) SBP-1382/Bioallethrin 10%-7.5% FI, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 180: AR95-0101: AR94-0300. Unpublished study prepared by AgrEvo Environmental Health. 34 p.
43994000	AgrEvo Environmental Health (1996) Submission of Product Chemistry Data in Support of Registration of Esbiothrin 90% Concentrate. Transmittal of 1 Study.
43994001	Girard-Andis, M. (1996) Esbiothrin 90% Concentrate: Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 206: AR95-0209: AR95-0188. Unpublished study prepared by AgrEvo Environmental Health. 31 p.
43994300	DowElanco (1996) Submission of Product Chemistry and Toxicity Data in Support of the Registration of Dursban WBO5 III. Transmittal of 3 Studies.
43994301	Ghaoui, L. (1996) Analysis and Certification of Product Ingredients of Dursban WB05 III, a Liquid Formulation Containing Chlorpyrifos, MGK-264, d-Trans Allethrin and Piperonyl Butoxide: Lab Project Number: GH-C 3939: FOR95195. Unpublished study prepared by DowElanco. 63 p.
43994302	Ghaoui, L. (1996) Determination of Physical and Chemical Properties of Dursban WB05 III, a Liquid Formulation Containing Chlorpyrifos, MGK-264, d-Trans Allethrin and Piperonyl Butoxide: Lab Project Number: FOR95187. Unpublished study prepared by DowElanco. 14 p.
43994303	Gilbert, K. (1996) Dursban WB05 III: Acute Oral Toxicity Study in Fischer 344 Rats: Lab Project Number: DR-0348-6940-002A. Unpublished study prepared by The Dow Chemical Co. 50 p.
44013900	AgrEvo Environmental Health (1996) Submission of Toxicity Data in Support of the Registration Standard for the Allethrin Stereoisomers. Transmittal of 1 Study.
44013901	McFarlane, M. (1996) S-Bioallethrin (Esbio) Code: RU 16121: Dog 90-Day Dietary Repeat Dose Study: Lab Project Number: TOX/95/254-4: TOX 94422. Unpublished study prepared by AgrEvo UK Ltd. 304 p.
44026900	AgrEvo Environmental Health (1996) Submission of Toxicology Data in Support of Reregistration of Bioram 0.15% + 0.25% Insecticide Aqueous Pressurized Spray. Transmittal of 6 Studies.
44026901	Gabriel, D. (1995) Acute Oral Toxicity, Single Level--Rats: RUC #724: Lab Project Number: 94-8164A: T-94-147: AOT-200. Unpublished study prepared by Biosearch Inc. 11 p.
44026902	Gabriel, D. (1995) Acute Dermal Toxicity, Single Level--Rabbits: RUC #724: Lab Project Number: 94-8164A: T-94-148: ADT-200. Unpublished study prepared by Biosearch Inc. 14 p.
44026903	Holbert, M. (1995) Acute Inhalation Toxicity Study in Rats with RUC #724: Final Report: Lab Project Number: 1628-94: T-94-151: S9-FF81-3/B3D.R7. Unpublished study prepared by STILLMEADOW, Inc. 21 p.
44026904	Moore, G. (1995) Primary Eye Irritation, 6 Unwashed & 3 Washed Rabbits: RUC #724: Lab Project Number: 94-8164A: T-94-149: PEI-236. Unpublished study prepared by Biosearch, Inc. 16 p.
44026905	Moore, G. (1995) Primary Skin Irritation--Rabbits: RUC #724: Lab Project Number: 94-8164A: T-94-150: PSI-206. Unpublished study prepared by Biosearch, Inc. 10 p.
44026906	Kuhn, J. (1995) Dermal Sensitization Study in Guinea Pigs with RUC #724: Final Report: Lab Project Number: 1629-94: T-94-152: S9-FF81-6. Unpublished study prepared by STILLMEADOW, Inc. 20 p.
44033800	Industrias Rambal & CIA. Ltd. (1996) Submission of Product Chemistry Data in Support of the Application for Registration of Rambal Pynamin Forte 60 Mosquito Mat. Transmittal of 1 Study.

MRID #	Citation
44033801	Quinn, E. (1996) Description of Beginning Materials and Manufacturing Process: (Rambal Pynamin Forte 60 Mosquito Mat). Unpublished study prepared by Insect Control and Research, Inc. 13 p.
44042000	Chemsico, Division of United Industries Corp. (1996) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Chemsico Wasp & Hornet Killer T. Transmittal of 8 Studies.
44042001	Schoenberg, P. (1996) Physical and Chemical Properties Determination of Chemsico Wasp & Hornet Killer T: Lab Project Number: 96-01-01. Unpublished study prepared by United Industries Corp. 10 p.
44042002	Schoenberg, P. (1996) Product Identity & Disclosure of Ingredients and Analysis and Certification of Product Ingredients of Chemsico Wasp & Hornet Killer T. Unpublished study prepared by United Industries Corp. 9 p.
44042003	Kuhn, J. (1996) Acute Oral Toxicity Study in Rats with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2764-96: S9-FF81-1.U7. Unpublished study prepared by Stillmeadow, Inc. 11 p.
44042004	Kuhn, J. (1996) Acute Dermal Toxicity Study in Rabbits with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2765-96: S9-FF81-2.U7. Unpublished study prepared by Stillmeadow, Inc. 13 p.
44042005	Bennick, J. (1996) Acute Inhalation Toxicity Study in Rats with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2766-96: S9-FF81-3.U7. Unpublished study prepared by Stillmeadow, Inc. 21 p.
44042006	Kuhn, J. (1996) Primary Eye Irritation Study in Rabbits with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2767-96: S9-FF81-4.U7. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44042007	Kuhn, J. (1996) Primary Dermal Irritation Study in Rabbits with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2768-96: S9-FF81-5.U7. Unpublished study prepared by Stillmeadow, Inc. 13 p.
44042008	Kuhn, J. (1996) Dermal Sensitization Study in Guinea Pigs with Chemsico Wasp & Hornet Killer T: Final Report: Lab Project Number: 2769-96: S9-FF81-6.U7. Unpublished study prepared by Stillmeadow, Inc. 18 p.
44045500	Perycut-Chemie AG (1996) Submission of Product Chemistry, Pesticide Use, and Pesticide Fate and Residues in the Environment Data in Support of the Amended Registration of Insect Killer Cockroach Carpet. Transmittal of 1 Study.
44045501	Bencsits, F. (1991) Product Chemistry: Insect Killer Cockroach Carpet: Lab Project Number: 004. Unpublished study prepared by Perycut-Chemie AG. 34 p.
44047100	AgrEvo Environmental Health (1996) Submission of Toxicity Data in Support of the Registration Standard for S-Bioallethrin. Transmittal of 1 Study.
44047101	McFarlane, M. (1996) S-Bioallethrin (Esbiol) Code: RU 16121: Rat 90-Day Dietary Repeat Dose Study: Lab Project Number: TOX 94423: TOX/95/254-5. Unpublished study prepared by AgrEvo UK Ltd. 354 p.
44067000	Family Products Sdn. Berhad (1996) Submission of Efficacy Data in Support of the Application for Registration of Family Mosquito Repellent Sticks. Transmittal of 1 Study.
44067001	Davis, K. (1996) Comparative Burn Rates of Mosquito Repellent Sticks and Mosquito Repellent Coils: Lab Project Number: FPS-BS. Unpublished study prepared by RegWest Co. 14 p.
44077900	Unicorn Labs. (1996) Submission of Product Chemistry Data in Support of the Application for Registration of Unicorn IGR Pet Spray. Transmittal of 1 Study.
44077901	Santerre, B. (1996) Product Chemistry: Unicorn IGR Pet Spray: (Description of Formulation Process). Unpublished study prepared by Unicorn Labs. 4 p.
44081500	Sumitomo Chemical Co. Ltd. (1996) Submission of Toxicology Data in Support of FIFRA 6(a)(2) for Pynamin Forte (d-Allethrin). Transmittal of 1 Study.

MRID #	Citation
44081501	Ivens, I.; Pauluhn, J.; Schmuck, G. (1996) D-Allethrin: Motor Activity Measurements in Male and Female Mice Postnatally Exposed to d-Allethrin by Inhalation: (Including Measurements of Muscarinic Acetylcholine Receptors in the Brain): Lab Project Number: T3058253: 25085: KT-0129. Unpublished study prepared by Bayer AG. 281 p.
44101900	McLaughlin Gormley King Co. (1996) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Evercide Residual Pump Spray 2641. Transmittal of 6 Studies.
44101901	Gabriel, D. (1994) Acute Oral Toxicity, Single Level--Rats: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: AOT-200. Unpublished study prepared by Biosearch Inc. 12 p.
44101902	Gabriel, D. (1996) Acute Dermal Toxicity, Single Level--Rabbits: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: ADT-200. Unpublished study prepared by Biosearch Inc. 18 p.
44101903	Hershman, R. (1996) Acute Inhalation Toxicity, Single Level, 4-Hour Exposure--Rats: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: AIT-200. Unpublished study prepared by Biosearch Inc. 37 p.
44101904	Moore, G. (1996) Primary Skin Irritation--Rabbits: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: PSI-206. Unpublished study prepared by Biosearch Inc. 11 p.
44101905	Moore, G. (1996) Guinea Pig Dermal Sensitization, 9 Induction Applications--Modified Buehler Method: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: GPS-210. Unpublished study prepared by Biosearch Inc. 24 p.
44101906	Carlson, D. (1993) D-Trans NyLar Residual Pump Spray 2641: (Storage Stability): Lab Project Number: 489: GLP-489. Unpublished study prepared by McLaughlin Gormley King Co. 13 p.
44131800	AgrEvo Environmental Health (1996) Submission of Efficacy Data in Support of the Application for Registration for Derringer Mosquito Repellent Mats. Transmittal of 1 Study.
44131801	Zhai, J.; John, S. (1996) The Repellent Effect of Bioallethrin Mats Against Field Populations of Mosquitoes: Lab Project Number: US/EH 96-052: 96002. Unpublished study prepared by AgrEvo Environmental Health. 8 p.
44133400	McLaughlin Gormley King Co. (1996) Submission of Product Chemistry and Toxicity Data in Support of the Registration for Evercide Residual Pump Spray 2641. Transmittal of 2 Studies.
44133401	Moore, G. (1994) Primary Eye Irritation--Rabbits: D-Trans NyLar Residual Pump Spray 2641: Lab Project Number: 94-8050A: PEI-206. Unpublished study prepared by Biosearch Inc. 15 p.
44133402	Carlson, D. (1989) Physical Characterization of D-Trans Residual Spray 2580 Non-Volatiles. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.
44139900	S.C. Johnson & Son, Inc. (1996) Submission of Product Chemistry Data in Support of the Application for Registration of OFF! Yard & Deck Area Repellent II. Transmittal of 1 Study.
44139901	Smith, G. (1996) Physical and Chemical Characteristics of Raid Yard Guard Formula VII: Lab Project Number: 6420D21-2-A2: 288A2: ARSP-PC-121104. Unpublished study prepared by S.C. Johnson & Son, Inc. 10 p.
44142601	Orman, J. (1996) Product Chemistry: (Manufacturing Process and Impurities): Bengal Roach and Ant Spray III. Unpublished study prepared by Bengal Chemical, Inc. 5 p.
44155900	The Solaris Group of Monsanto Co. (1996) Submission of Product Chemistry, Efficacy, and Hazard to Non-Target Plants Data in Support of the Reregistration of Hydroxyethyl Octyl Sulfide Containing Product Ortho Outdoor Insect Fogger. Transmittal of 2 Studies.
44155902	Kamienski, F. (1996) Product Performance/Efficacy Data on Hydroxyethyl Octyl Sulfate Requested by the RED of February 27, 1996: Lab Project Number: 2392421: 737-50: 07-4276. Unpublished study prepared by S. B. Penick & Co. 17 p.
44165700	S.C. Johnson & Son, Inc. (1996) Submission of Product Chemistry Data in Support of the Application for Registration of Repellent LMO. Transmittal of 2 Studies.

MRID #	Citation
44165701	Hildebrandt, D. (1996) Product Chemistry Data for Repellent LMO, Formula Number 6122D44-1: Lab Project Number: 009463: ARTM-W-121164. Unpublished study prepared by S.C. Johnson & Son, Inc. 54 p.
44165702	Lee, H. (1995) Physical and Chemical Characteristics of Repellent LMO, Formula Number 6122D44-1: Lab Project Number: 304A3: 6122D44-1-A3. Unpublished study prepared by S.C. Johnson & Son, Inc. 10 p.
44198900	Industrias Rambal & Cia, Ltda. (1997) Submission of Product Chemistry Data in Support of the Application for Registration for Rambal Pynamin Forte 60 Mosquito Mat. Transmittal of 1 Study.
44198901	Quinn, E. (1997) Description of Beginning Materials and Manufacturing Process for the Rambal 60mg Pynamin Forte Mosquito Mat: (Revised Report). Unpublished study prepared by Insect Control and Research, Inc. 20 p.
44248200	Bengal Chemical, Inc. (1997) Submission of Product Chemistry, Toxicity, and Efficacy Data in Support of the Application for Registration of Full Season Flea Killer II. Transmittal of 9 Studies.
44248201	LeVasseur, R. (1996) Product Chemistry: Bengal Full Season Flea Killer II: Lab Project Number: TAA.9518. Unpublished study prepared by Speer Products, Inc. 19 p.
44248202	LeVasseur, R. (1996) Product Chemistry: Bengal Full Season Flea Killer II: (Physical and Chemical Characteristics): Lab Project Number: TAA.9518. Unpublished study prepared by Speer Products, Inc. 10 p.
44248203	Wnorowski, G. (1996) Acute Oral Toxicity Limit Test (in Rats): Bengal Full Season Flea Killer II: Lab Project Number: P320: 4164. Unpublished study prepared by Product Safety Labs. 15 p.
44248204	Wnorowski, G. (1996) Acute Dermal Toxicity Limit Test (in Rats): Bengal Full Season Flea Killer II: Lab Project Number: 4165: P322. Unpublished study prepared by Product Safety Labs. 15 p.
44248205	Wnorowski, G. (1996) Acute Inhalation Toxicity Limit Test (in Rats): Bengal Full Season Flea Killer II: Lab Project Number: 4169: P330. Unpublished study prepared by Product Safety Labs. 23 p.
44248206	Wnorowski, G. (1996) Primary Eye Irritation (in Rabbits): Bengal Full Season Flea Killer II: Lab Project Number: 4166: P324. Unpublished study prepared by Product Safety Labs. 24 p.
44248207	Wnorowski, G. (1996) Primary Skin Irritation (in Rabbits): Bengal Full Season Flea Killer II: Lab Project Number: 4167: P326. Unpublished study prepared by Product Safety Labs. 16 p.
44248208	Wnorowski, G. (1996) Dermal Sensitization Test (in Guinea Pigs)--Buehler Method: Bengal Full Season Flea Killer II: Lab Project Number: 4168: P328. Unpublished study prepared by Product Safety Labs. 23 p.
44248209	St.-John, S. (1996) Residual Performance of Bengal Full Season Flea Killer (without Nydar) and Experimentals Against Cat Fleas. Unpublished study prepared by AgrEvo Environmental Health. 8 p.
44288400	Hilton Head Labs, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of Insect Control for House and Garden. Transmittal of 1 Study.
44288401	Ball, N. (1997) Product Chemistry: (Insect Control for House and Garden). Unpublished study prepared by Hilton Head Labs, Inc. 4 p.
44288600	McLaughlin Gormley King Co. (1997) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Evercide Roach & Ant Spray 2622. Transmittal of 4 Studies.
44288601	Moore, G. (1996) Primary Eye Irritation--Rabbits: (Evecide Roach & Ant Spray 2622: (Final Report): Lab Project Number: 95-8234A: PEI-206. Unpublished study prepared by Biosearch Inc. 15 p.
44288602	Moore, G. (1995) Primary Skin Irritation--Rabbits: (Evecide Roach & Ant Spray 2622...(Non-Volatile): (Final Report): Lab Project Number: 95-8234A: PSI-206. Unpublished study prepared by Biosearch Inc. 12 p.
44288603	Wodarski, A. (1995) Physical Characterization of Evercide Roach & Ant Spray 2622 Non-Volatiles: Lab Project Number: GLP 431. Unpublished study prepared by McLaughlin Gormley King Co. 6 p.

MRID #	Citation
44288604	Wodarski, A. (1990) Storage Stability of Evercide Intermediate 2531 (and) Evercide Roach & Ant Spray 2622: (Final Report): Lab Project Number: GLP-164: GF 181: 164. Unpublished study prepared by McLaughlin Gormley King Co. 11 p.
44331700	Sumitomo Chemical Company, Ltd. (1997) Submission of Toxicity Data in Support of the Registration Standard for Allethrin Stereoisomers. Transmittal of 1 Study.
44331701	Edwards, J.; Baldrick, P.; Gibson, W.; et al. (1990) Twenty-One Day Dermal Toxicity Study in Rabbits with Pynamin Forte (Amended): Lab Project Number: SMO 329: SMO 329/891585: 329/981585. Unpublished study prepared by Huntingdon Research Centre Ltd. 175 p.
44384000	S.C. Johnson & Son, Inc. (1997) Submission of Product Chemistry Data in Support of the Reregistration of the Hydroxyethyl octyl sulfide Containing Product Raid Yard Guard Outdoor Fogger Formula V. Transmittal of 2 Studies.
44384001	Smith, G. (1997) Physical and Chemical Characteristics of Raid Yard Guard Outdoor Fogger Formula V: Lab Project Number: 7812D42-A2: 361A2: 7812D42. Unpublished study prepared by S.C. Johnson & Son, Inc. 10 p.
44384002	Hurtienne, G. (1997) Raid Yard Guard Outdoor Fogger Formula V: Product Chemistry Data: Lab Project Number: 009951: 7812 D42. Unpublished study prepared by S.C. Johnson & Son, Inc. 79 p.
44425000	FMC Corp. (1997) Submission of Exposure and Risk Data in Support of the Registration of Indoor Total Release Foggers & Fumigators. Transmittal of 1 Study.
44425001	Driver, J.; Ginevan, M.; Milask, L. et al. (1997) Methods for Assessing Potential Non-Dietary Exposures to Synthetic Pyrethroids: Stochastic Case Study for Indoor Total Release Foggers & Fumigators: Lab Project Number: PWG-97-04: PWG 97-04. Unpublished study prepared by risksciences.com, L.L.C. 61 p.
44445900	AgrEvo Environmental Health (1997) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of DS 530 Insecticide. Transmittal of 10 Studies.
44445901	Johnston, S. (1997) Product Identity and Composition of DS 530 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 50 p.
44445902	Johnston, S. (1997) Analysis and Certification of Product Ingredients of DS 530 Insecticide: Lab Project Number: 200-3082. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44445903	Hernandez, I. (1997) SBA 0.30% DTM 0.05% WBA Determination of Product Chemistry: Lab Project Number: 372. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44445904	Kuhn, J. (1997) Acute Oral Toxicity Study in Rats with RUC #1569: Final Report: Lab Project Number: 3334-97: T-97-118: S9-FF81-1. Unpublished study prepared by Stillmeadow, Inc. 12 p.
44445905	Kuhn, J. (1997) Acute Dermal Toxicity Study in Rabbits with RUC #1569: Final Report: Lab Project Number: 3335-97: T-97-119: S9-FF81-2. Unpublished study prepared by Stillmeadow, Inc. 15 p.
44445906	Bennick, J. (1997) Acute Inhalation Toxicity Study in Rats with RUC #1569: Final Report: Lab Project Number: 3336-97: T-97-123: S9-FF81-3. Unpublished study prepared by Stillmeadow, Inc. 22 p.
44445907	Kuhn, J. (1997) Primary Eye Irritation Study in Rabbits with RUC #1569: Final Report: Lab Project Number: 3337-97: T-97-121: S9-FF81-4. Unpublished study prepared by Stillmeadow, Inc. 21 p.
44445908	Kuhn, J. (1997) Primary Dermal Irritation Study in Rabbits with RUC #1569: Final Report: Lab Project Number: 3338-97: T-97-120: S9-FF81-5. Unpublished study prepared by Stillmeadow, Inc. 14 p.
44445909	Kuhn, J. (1997) Dermal Sensitization Study in Guinea Pigs with #1569: Final Report: Lab Project Number: 3339-97: T-97-122: S9-FF81-6. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44445910	Kuhn, J. (1997) Dermal Sensitization Study in Guinea Pigs with RUC #1576: Final Report: Lab Project Number: T-97-158: 3407-97: S9-FF81-6. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44446400	AgrEvo Environmental Health (1997) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of DS 205 Insecticide. Transmittal of 10 Studies.

MRID #	Citation
44446401	Johnston, S. (1997) Product Identity and Composition of DS 205 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 50 p.
44446402	Johnston, S. (1997) Analysis and Certification of Product Ingredients of DS 205 Insecticide: Lab Project Number: 200-3082. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44446403	Hernandez, I. (1997) SBA 0.05% DTM 0.02% WBA Determination of Product Chemistry: Lab Project Number: 370. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44446404	Kuhn, J. (1997) Acute Oral Toxicity Study in Rats with RUC #1573: Final Report: Lab Project Number: 3396-97: S9-FF81-1: AR97-0004. Unpublished study prepared by Stillmeadow, Inc. 13 p.
44446405	Kuhn, J. (1997) Acute Dermal Toxicity Study in Rabbits with RUC #1573: Final Report: Lab Project Number: 3397-97: S9-FF81-2. Unpublished study prepared by Stillmeadow, Inc. 14 p.
44446406	Bennick, J. (1997) Acute Inhalation Toxicity Study in Rats with RUC #1573: Final Report: Lab Project Number: 3398-97: T-97-153: S9-FF81-3. Unpublished study prepared by Stillmeadow, Inc. 22 p.
44446407	Kuhn, J. (1997) Primary Eye Irritation Study in Rabbits with RUC #1573: Final Report: Lab Project Number: 3399-97: T-97-151: S9-FF81-4. Unpublished study prepared by Stillmeadow, Inc. 21 p.
44446408	Kuhn, J. (1997) Primary Dermal Irritation Study in Rabbits with RUC #1573: Final Report: Lab Project Number: 3400-97: T-97-150: S9-FF81-5. Unpublished study prepared by Stillmeadow, Inc. 14 p.
44446409	Kuhn, J. (1997) Dermal Sensitization Study in Guinea Pigs with RUC #1573: Final Report: Lab Project Number: 3401-97: T-97-152: S9-FF81-6. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44446410	Kuhn, J. (1997) Dermal Sensitization Study in Guinea Pigs with RUC #1572: Final Report: Lab Project Number: 3345-97: S9-FF81-6. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44447400	AgrEvo Environmental Health (1997) Submission of Product Chemistry Data in Support of the Application for Registration of DS 215 Insecticide and DS Professional Insecticide. Transmittal of 3 Studies.
44447401	Johnston, S. (1997) Product Identity and Composition of DS 215 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 50 p.
44447402	Johnston, S. (1997) Analysis and Certification of Product Ingredients of DS 215 Insecticide: Lab Project Number: 200-3082. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44447403	Fritz, L. (1997) SBA 0.15% DTM 0.02% WBA Determination of Product Chemistry: Lab Project Number: 418. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44447700	AgrEvo Environmental Health (1997) Submission of Product Chemistry Data in Support of the Application for Registration of DS 210 and DS 210 Professional Insecticides. Transmittal of 3 Studies.
44447701	Johnston, S. (1997) Product Identity and Composition of DS 210 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 50 p.
44447702	Johnston, S. (1997) Analysis and Certification of Product Ingredients of DS 210 Insecticide: Lab Project Number: 200-3082. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44447703	Knisley, D. (1997) DTM 0.02%/SBA 0.1% WBA, Determination of Product Chemistry: Lab Project Number: 415. Unpublished study prepared by AgrEvo Environmental Health. 17 p.
44447900	AgrEvo Environmental Health (1997) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of DeltaGard KD AC. Transmittal of 8 Studies.
44447901	Johnston, S. (1997) Product Identity and Composition of SBA 2.86/Delta 1.16 Concentrate. Unpublished study prepared by AgrEvo Environmental Health. 46 p.
44447902	Johnston, S. (1997) Analysis and Certification of Product Ingredients of SBA 2.86/Delta 1.16 Concentrate: Lab Project Number: 200-3082. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44447903	Hernandez, I. (1997) SBA 2.86% DTM 1.16% Concentrate Determination of Product Chemistry: Lab Project Number: 368. Unpublished study prepared by AgrEvo Environmental Health. 16 p.

MRID #	Citation
44447904	Kuhn, J. (1997) Acute Oral Toxicity Study in Rats with RUC #1575: Final Report: Lab Project Number: 3346-97: T-97-130: AR97-0012. Unpublished study prepared by Stillmeadow, Inc. 12 p.
44447905	Kuhn, J. (1997) Acute Dermal Toxicity Study in Rabbits with RUC #1575: Final Report: Lab Project Number: 3347-97: T-97-131: AR97-0012. Unpublished study prepared by Stillmeadow, Inc. 15 p.
44447906	Bennick, J. (1997) Acute Inhalation Toxicity Study in Rats with RUC #1575: Final Report: Lab Project Number: 3348-97: T-97-135: AR97-0012. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44447907	Kuhn, J. (1997) Primary Eye Irritation Study in Rabbits with RUC #1575: Final Report: Lab Project Number: 3349-97: T-97-133: AR97-0012. Unpublished study prepared by Stillmeadow, Inc. 21 p.
44447908	Kuhn, J. (1997) Primary Dermal Irritation Study in Rabbits with RUC #1575: Final Report: Lab Project Number: 3350-97: T-97-132: AR97-0012. Unpublished study prepared by Stillmeadow, Inc. 14 p.
44479100	Speer Products Inc. (1998) Submission of Product Chemistry Data in Support of the Registration of Speer Bee, Wasp, Hornet & Yellow Jacket Jet Stream Killer. Transmittal of 1 Study.
44479101	Washburn, B. (1996) Product Chemistry: Dielectric Breakdown of KO Wasp & Hornet Killer (Speer Bee, Wasp, Hornet & Yellow Jacket Jet Stream Killer). Unpublished study prepared by Doble Engineering Co. 10 p.
44479500	AgrEvo Environmental Health (1998) Submission of Toxicity Data in Support of the Registration of Bioallethrin Technical. Transmittal of 1 Study.
44479501	Curry, P. (1998) Mutagenicity Test on Bioallethrin Technical (AE F048498) in the in vivo Mouse Micronucleus Assay: Final Report: Lab Project Number: T-97-208: 20996: 455OECD. Unpublished study prepared by Covance Labs., Inc. 26 p.
44495900	AgrEvo Environmental Health (1997) Submission of Toxicity Data in Support of the Application for Registration of DeltaGard KD AC. Transmittal of 1 Study.
44495901	Kuhn, J. (1997) Dermal Sensitization Study in Guinea Pigs with RUC #1575: Final Report: Lab Project Number: T-97-134: 3351-97. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44517800	AgrEvo Environmental Health (1998) Submission of Toxicity Data in Support of the Reregistration of Allethrins Containing Product Esbiol Technical. Transmittal of 2 Studies.
44517801	Broadmeadow, A. (1997) ESBIOL: Rat Acute Oral Neurotoxicity Study: Lab Project Number: AGV133/970021: 96226: 970021. Unpublished study prepared by Huntingdon Life Sciences, Ltd. 327 p.
44517802	Coombs, D. (1997) ESBIOL: Rat 28-Day Repeat Dose Inhalation Toxicity Study: Lab Project Number: AGV 141/971017: TOX 96221. Unpublished study prepared by Huntingdon Life Sciences, Ltd. 145 p.
44550400	Industrias Rambal and Cia, Ltda. (1998) Submission of Product Chemistry Data in Support of Reregistration of Rambal Pynamin 60mg Mosquito Mat. Transmittal of 1 Study.
44550401	Quinn, E. (1998) Description of Beginning Materials and Manufacturing Process for the Rambal 60mg Pynamin Forte Mosquito Mat. Unpublished study prepared by Insect Control and Research, Inc. 20 p.
44562800	Zobebe Industrie Chimiche S.p.A. (1998) Submission of Product Chemistry in Support of the Application for Registration of Spira Punks Mosquito Coils II (Formula 2). Transmittal of 2 Studies.
44562801	Keane, P. (1998) Product Chemistry Data of Spira Punks Mosquito Coils II (Formula 2): Lab Project Number: PCD SPMC II (F2). Unpublished study prepared by Keane International Marketing, Inc. 15 p.
44562802	Klausner, K. (1998) Physical and Chemical Characteristics of Spira Punks Mosquito Coils II (Formula 2): Lab Project Number: 98G-0420. Unpublished study prepared by Toxikon Corporation. 25 p.
44595500	S.C. Johnson & Son, Inc. (1998) Submission of Product Chemistry Data in Support of the Registration of Raid Yard Outdoor Fogger Formula V. Transmittal of 1 Study.
44595501	Wallace, J. (1998) Formulation Process for Raid Yard Guard Outdoor Fogger Formula V. Unpublished study prepared by S.C. Johnson and Son, Inc. 9 p. {OPPTS 830.1620 and 830.1650}

MRID #	Citation
44606900	Whitmire Micro-Gen (1998) Submission of Product Chemistry Data in Support of the Registration of PT 525 Microfill. Transmittal of 1 Study.
44606901	Burke, T. (1998) Whitmire PT 525 Microfill Contact Insecticide: Product Chemistry: Lab Project Number: 93-9001: 91-9001. Unpublished study prepared by Whitmire Micro-Gen. 16 p.
44618200	Chemsico (1998) Submission of Efficacy Data in Support of the Application for Registration of Chemsico Aerosol Spray A. Transmittal of 1 Study.
44618201	Baxter, A. (1998) AOAC Germicidal Spray Products as Disinfectants Method: Lab Project Number: 98-5097-11. Unpublished study prepared by Hill Top Research. 33 p.
44638700	Family Products Sdn. Berhad (1998) Submission of Product Chemistry Data in Support of the Application for Registration of Family 500 Mosquito Repellent Mats. Transmittal of 2 Studies.
44638701	Davis, K. (1998) Product Chemistry Data of Family 500 Mosquito Repellent Mats: Lab Project Number: PCD 63376-A. Unpublished study prepared by RegWest Company. 11 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1750}
44638702	Klausner, K. (1998) Physical and Chemical Characteristics of Family 500 Mosquito Repellent Mats: Lab Project Number: 98G-1363. Unpublished study prepared by Toxikon Corporation. 24 p. {OPPTS 830.6303, 830.7300, 830.6320}
44657800	AgrEvo Environmental Health (1998) Submission of Toxicity and Residue Chemistry Data in Support of the Petition for Tolerance of Allethrins. Transmittal of 2 Studies.
44657801	Reader, S. (1998) Esbiol (Code: 6N 0248B) Rabbit Oral Developmental Toxicity (Teratogenicity) Study: Lab Project Number: TOX 96225. Unpublished study prepared by Huntingdon Life Sciences Ltd. 102 p.
44657802	Rupprecht, J. (1998) Metabolism of (carbon-14/carbon-13-alcohol) -D-Trans-D-Allethrin in Lettuce, Tomato, and Wheat: Lab Project Number: 500CD: A67513: CD96E500. Unpublished study prepared by PTRL West, Inc. and AgrEvo USA Company. 171 p.
44666300	AgrEvo Environmental Health (1998) Submission of Residue Chemistry and Toxicity Data in Support of the Food/Feed Additive Petition for Bioallethrin, Esbiothrin, and S-Bioallethrin. Transmittal of 2 Studies.
44666301	Reader, S. (1998) Esbiol (Code 6N 0248B) Rat Oral Developmental Toxicity (Teratogenicity) Study: Lab Project Number: TOX 96223: AGV136: AGV136973120. Unpublished study prepared by Huntingdon Life Sciences Ltd. 121 p.
44666302	Kaiser, F.; Jones, G.; Gresham, M. (1998) Magnitude of the Residue of Esbiol in Stored Food: Lab Project Number: CD97R001: 44331. Unpublished study prepared by ABC Laboratories, Inc. 143 p. {OPPTS 860.1460}
44666700	McLaughlin Gormley King Company (1998) Submission of Product Chemistry Data in Support of the Registration of Evercide Residual Pressurized Spray 2523. Transmittal of 1 Study.
44666701	Klaysmat, S. (1998) Self-Certification of Evercide Residual Pressurized Spray 2523. Unpublished study prepared by McLaughlin Gormley King Company. 5 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.6315, 830.6317, 830.6319, 830.7100, 830.7300}
44683700	AgrEvo Environmental Health (1998) Submission of Toxicity and and Residue Chemistry Data in Support of the Petition for Tolerance of Allethrins (Bioallethrin, Esbiothrin, S-Bioallethrin) in Food Handling Establishments and the Registration of Bioallethrin, Esbiol, and Esbiothrin Technical. Transmittal of 3 Studies.
44683701	Weir, L. (1998) S-Bioallethrin: Code: S-Bioallethrin (Esbiol) 6N 0486 B Rat 28-day Dermal Toxicity: Lab Project Number: TOX 96275: TOX/97/254-71: A92648. Unpublished study prepared by AgrEvo UK Limited. 151 p.
44683702	Thornley, K. (1998) (Carbon 14)-Allethrin: (Esbiol): Dermal Absorption in the Rat: Lab Project Number: TOX 96291: C000420: TOX/98/254-75. Unpublished study prepared by Covance Laboratories Limited. 238 p.

MRID #	Citation
44683703	Rupprecht, J. (1998) Metabolism of [Carbon 14/ Carbon 13-alcohol]-D-Trans- D-Allethrin in Lettuce, Tomato and Wheat: Lab Project Number: 500CD: A67513: CD96E500. Unpublished study prepared by AgrEvo USA Company and PTRL West, Inc. 171 p.
44729700	AgrEvo Environmental Health (1998) Submission of Product Chemistry, and Toxicity Data in Support of the Application for Registration of Esbiol 2000 Insecticide. Transmittal of 10 Studies.
44729701	Johnston, S. (1998) Product Identity and Composition of Esbiol 2000 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 25 p.
44729702	Johnston, S. (1998) Analysis and Certification of Product Ingredients of Esbiol 2000 Insecticide: Lab Project Number: 200-3080. Unpublished study prepared by AgrEvo Environmental Health. 15 p.
44729703	Cantalupi, D. (1996) Esbiol 20% Concentrate: Determination of Product Chemistry: Final Report: Lab Project Number: 332. Unpublished study prepared by AgrEvo Environmental Health. 14 p.
44729704	Essig, K. (1997) Esbiol 20% Concentrate, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 330: 300-3080. Unpublished study prepared by AgrEvo Environmental Health. 31 p.
44729705	Wason, S.; Sindle, T. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Rat Acute Oral Toxicity Study: Lab Project Number: TOX 96163: TOX/96/254-6. Unpublished study prepared by AgrEvo UK Limited. 36 p.
44729706	Wason, S.; Sindle, T. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Rat Acute Dermal Toxicity Study: Lab Project Number: TOX 96164: TOX/96/254-7. Unpublished study prepared by AgrEvo UK Limited. 24 p.
44729707	Jackson, G. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Rat Acute (4 Hour) Inhalation Toxicity Study: Lab Project Number: TOX 96208: TOX/96/254-18: AGV 110/962731. Unpublished study prepared by Huntingdon Life Sciences Limited. 43 p.
44729708	Wason, S.; Sindle, T. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Rabbit Eye Irritation Study: Lab Project Number: TOX 96167: TOX/96/254-10. Unpublished study prepared by AgrEvo UK Limited. 16 p.
44729709	Wason, S.; Sindle, T. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Rabbit Skin Irritancy Study: Lab Project Number: TOX 96166: TOX/96/254-9. Unpublished study prepared by AgrEvo UK Limited. 15 p.
44729710	Wason, S.; Sindle, T. (1996) S-Biol 200 (TF2770) S-Bioallethrin 20% w/w Liquid: Guinea Pig Skin Sensitisation Study (Buehler Test): Lab Project Number: TOX 96165: TOX/96/254-8. Unpublished study prepared by AgrEvo UK Limited. 29 p.
44729800	AgrEvo Environmental Health (1998) Submission of Product Chemistry, and Toxicity Data in Support of the Application for Registration of Esbiol 300 Insecticide. Transmittal of 8 Studies.
44729801	Johnston, S. (1998) Product Identity and Composition of Esbiol 300 Insecticide. Unpublished study prepared by AgrEvo Environmental Health. 28 p.
44729802	Johnston, S. (1998) Analysis and Certification of Product Ingredients of Esbiol 300 Insecticide: Lab Project Number: 200-3014. Unpublished study prepared by AgrEvo Environmental Health. 15 p.
44729803	Hernandez, I. (1996) Esbiol 3% Concentrate: Determination of Product Chemistry: Lab Project Number: 321. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
44729804	Essig, K. (1997) Esbiol 3% Concentrate, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 326: AR96-0115: AR96-0152. Unpublished study prepared by AgrEvo Environmental Health. 34 p.
44729805	Kuhn, J. (1996) Acute Oral Toxicity Study in Rats with RUC #1393: Final Report: Lab Project Number: 2930-96: AR96-0115: T-96-103. Unpublished study prepared by Stillmeadow, Inc. 15 p.
44729806	Kuhn, J. (1996) Acute Dermal Toxicity Study in Rabbits with RUC #1393: Final Report: Lab Project Number: 2931-96: T-96-104: AR96-0115. Unpublished study prepared by Stillmeadow, Inc. 14 p.

MRID #	Citation
44729807	Bennick, J. (1996) Acute Inhalation Toxicity Study in Rats with RUC #1393: Final Report: Lab Project Number: 2932-96: T-96-105: AR96-0115. Unpublished study prepared by Stillmeadow, Inc. 22 p.
44729808	Kuhn, J. (1996) Dermal Sensitization Study in Guinea Pigs with RUC #1393: Final Report: Lab Project Number: 2935-96: T-96-108: AR96-0115. Unpublished study prepared by Stillmeadow, Inc. 20 p.
44772200	Chemsico, A Division of United Industries Corporation (1999) Submission of Efficacy Data in Support of the Amended Registration of Chemsico Tralomethrin Insecticide A. Transmittal of 1 Study.
44772201	Duckworth, C. (1999) Efficacy of Chemsico Tralomethrin Insecticide A Against Subterranean Termites. Unpublished study prepared by United Industries Corp. 7 p.
44782500	AgrEvo Environmental Health (1999) Submission of Toxicity Data in Support of the Petition for Tolerances for S-Bioallethrin & Esbiothrin. Transmittal of 1 Study.
44782501	Harvey, P.; Attia, M. (1999) Esbiothrin: Statement on the Lack of Significance of Kidney Tumours Observed in the Rat Carcinogenicity Study Principally in High Dose Males and Provision of Historical Control Data: Lab Project Number: C002635. Unpublished study prepared by Centre International de Toxicologie. 11 p.
44817400	S.C. Johnson and Son, Inc. (1999) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Raid FIK Formula H1A. Transmittal of 8 Studies.
44817401	Hurtienne, G. (1998) Product Chemistry Data for Raid FIK Formula H1A: Lab Project Number: 00A325. Unpublished study prepared by S.C. Johnson and Son, Inc. 118 p.
44817402	Smith, G. (1997) Physical and Chemical Characteristics of Raid FIK Formula H1A: Lab Project Number: 354A2: 7917P150-1-A2. Unpublished study prepared by S.C. Johnson and Son, Inc. 10 p.
44817403	Geyer, J. (1998) Determining Efficacy of Raid FIK Formula H1A Against Various Arthropods in the Laboratory: Final Report: Lab Project Number: 354E1. Unpublished study prepared by S.C. Johnson and Son, Inc. 49 p.
44817404	Hilaski, R. (1998) Acute Oral Toxicity Study of Raid FIK Formula H1A in Rats: Lab Project Number: 354: 408-046. Unpublished study prepared by MPI Research. 47 p.
44817405	Hilaski, R. (1998) Acute Dermal Toxicity Study of Raid FIK Formula H1A in Rats: Lab Project Number: 408-045: 354. Unpublished study prepared by MPI Research. 64 p.
44817406	Hilaski, R. (1998) Primary Eye Irritation Study of Raid FIK Formula H1A in Rabbits: Lab Project Number: 408-049: 354. Unpublished study prepared by MPI Research. 26 p.
44817407	Hilaski, R. (1998) Primary Dermal Irritation Test of Raid FIK Formula H1A in Rabbits Following a 4-Hour Exposure Period: Lab Project Number: 408-048: 354. Unpublished study prepared by MPI Research. 23 p.
44817408	Hilaski, R. (1998) Skin Sensitization Study (Buehler Method) of Raid FIK Formula H1A in the Albino Guinea Pig: Lab Project Number: 354: 408-050. Unpublished study prepared by MPI Research. 38 p.
44819700	S.C. Johnson and Son, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Raid FIK Formula H1A, and Raid FIK Formula H2A. Transmittal of 2 Studies.
44819701	Hurtienne, G. (1998) Product Chemistry Data for Raid FIK Formula H2A Formula Number 7917P152-1: Lab Project Number: 00A325: ARTM-W-127219. Unpublished study prepared by S.C. Johnson and Son, Inc. 105 p.
44819702	Smith, G. (1997) Physical and Chemical Characteristics of Raid FIK Formula H2A: Formula Number 7917P152-1: Lab Project Number: 7917P152-1-A2: 356A2: ARSP-PC-127299. Unpublished study prepared by S.C. Johnson and Son, Inc. 10 p.
44827400	S.C. Johnson and Son, Inc. (1999) Submission of Toxicity Data in Support of the Application for Registration of Raid FIK Formula H1A. Transmittal of 1 Study.

MRID #	Citation
44827401	Hilaski, R. (1998) Acute Dermal Toxicity Study of Raid FIK Formula H1A in Rabbits: Lab Project Number: 354: 408-047. Unpublished study prepared by MPI Research and S.C. Johnson and Son, Inc. 47 p.
44835700	AgrEvo Environmental Health (1999) Submission of Product Chemistry Data in Support of the Application for Registration of DS 215 Insecticide and DS 215 Professional Insecticide. Transmittal of 1 Study.
44835701	Essig, K. (1999) Esbiol 0.15% Deltamethrin 0.02% Water Based Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 422: C002433. Unpublished study prepared by AgrEvo Environmental Health. 32 p. {OPPTS 830.6317, 830.6320}
44835800	AgrEvo Environmental Health (1999) Submission of Product Chemistry Data in Support of the Application for Registration DS 210 Insecticide and DS 210 Professional Insecticide. Transmittal of 1 Study.
44835801	Essig, K. (1999) Esbiol 0.10% Deltamethrin 0.02% Water Based Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 420: C002430. Unpublished study prepared by AgrEvo Environmental Health. 32 p. {OPPTS 830.6317, 830.6320}
44835900	AgrEvo Environmental Health (1990) Submission of Product Chemistry Data in Support of the Application for Registration of DS 205 Insecticide. Transmittal of 1 Study.
44835901	Essig, K. (1998) Esbiol 0.05% Deltamethrin 0.02% Water Based Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 365: A92576. Unpublished study prepared by AgrEvo Environmental Health. 32 p. {OPPTS 830.6320, 830.6317}
44836000	AgrEvo Environmental Health (1999) Submission of Product Chemistry Data in Support of the Application for Registration of DS 530 Insecticide. Transmittal of 1 Study.
44836001	Essig, K. (1998) Esbiol 0.30% Deltamethrin 0.05% Water Based Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 366. Unpublished study prepared by AgrEvo Environmental Health. 32 p. {OPPTS 830.6320, 830.6317}
44836400	AgrEvo Environmental Health (1999) Submission of Product Chemistry Data in Support of the Application for Registration of DeltaGard KD AC. Transmittal of 1 Study.
44836401	Essig, K. (1998) Esbiol 2.86% Deltamethrin 1.16% Concentrate, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 363: A92574. Unpublished study prepared by AgrEvo Environmental Health. 34 p. {OPPTS 830.6320, 830.6317}
44838800	AgrEvo Environmental Health (1999) Submission of Toxicity Data in Support of the Application for Registration of Esbiol 300 Insecticide. Transmittal of 2 Studies.
44838801	Kuhn, J. (1996) Primary Eye Irritation Study in Rabbits with RUC #1393: Final Report: Lab Project Number: 2933-96: T-96-106. Unpublished study prepared by Stillmeadow, Inc. 21 p.
44838802	Kuhn, J. (1996) Primary Dermal Irritation Study in Rabbits with RUC #1393: Final Report: Lab Project Number: 2934-96: T-96-107. Unpublished study prepared by Stillmeadow, Inc. 15 p.
44845600	Whitmire Micro-Gen Research Labs., Inc. (1999) Submission of Exposure and Risk Data in Support of the Registration of Whitmire 565 Plus XLO Contact Insecticide. Transmittal of 1 Study.
44845601	Eitzer, B. (1990) (Pyrethrins and d-trans-Allethrin)-Cycling of Indoor Air Concentrations of d-trans Allethrin Followed Repeated Pesticide Applications. Environmental Contamination and Toxicology Bulletin: Volume(47): 406-412.
44858200	AgrEvo Environmental Health (1999) Submission of Efficacy Data in Support of the Applications for Registration of D100, D200, DS 205, DS 210, DS 215, DS 530 Insecticides, and DS 210, DS 215 Professional Insecticides. Transmittal of 4 Studies.
44858201	Donahue, B. (1999) Laboratory Evaluations of DeltaGard and Esbiol/DeltaGard Water-Based Aerosols as Direct Sprays against Ten Arthropod Pest Species: Lab Project Number: AGR98-1. Unpublished study prepared by Sierra Research Laboratories. 8 p.

MRID #	Citation
44858203	Zhai, J. (1999) Performance of Esbiol/Deltamethrin Water-Based Aerosol Series Against Cat Fleas and German Cockroaches. Unpublished study prepared by AgrEvo Environmental Health. 11 p.
44858204	Zhai, J.; Lesiewicz, D.; St. John, S. (1999) Residual Activiety (sic) of Pyrethroid Formulations Against Field-Collected Ixodes scapularis and Amblyomma americanum. Unpublished study prepared by AgrEvo Environmental Health. 5 p.
44860200	Chemsico (1999) Submission of Efficacy Data in Support of the Registration of Tralomethrin plus d-trans Allethrin Insecticide S. Transmittal of 1 Study.
44860201	Schoenberg, P. (1999) Efficacy, Direct Spray Against Scorpions of Hot Shot Spider Killer Plus: Lab Project Number: 99-02-01. Unpublished study prepared by United Industries Corp. 8 p.
44874704	Zhai, J. (1999) Knockdown and Residual Activities of Deltamethrin 0.01% RTU and Esbiol/Deltamethrin WBA Against Red Imported Fire Ants, Solenopsis invicta; Pharaoh Ant; Monomorium pharaonis; Littler Black Ant, Monomorium minimum; False Honey Ant, Prenolepis imparis; and Tetramorium bicarinatum. Unpublished study prepared by Department of Entomology, Texas A&M University. 18 p.
44876500	McLaughlin Gormley King Company (1999) Submission of Product Chemistry Data in Support of the Registration of EVERCIDE Residual Pressurized Spray. Transmittal of 1 Study.
44876501	Klaysmat, S. (1999) Product Chemistry re(sic) EVERCIDE Residual Pressurized Spray 2581: Lab Project Number: GLP-696: GLP-692. Unpublished study prepared by McLaughlin Gormley King Company. 7 p.
44878000	AgrEvo Environmental Health (1999) Submission of Efficacy Data in Support of the Application for Registration of D 100, D200, DS 205, DS 205 Professional, DS 215, DS 215 Professional, and DS 530 Insecticides. Transmittal of 1 Study.
44878001	Zhai, J. (1999) Evaluation of 0.05% Esbiol/0.02% Deltamethrin and 0.01% Deltamethrin Water-Based Aerosols Applied to Glass Plates Against Boxelder Bugs, Leptocoris trivittatus, Mosquitoes, Aedes aegypti, and Deer Ticks, Ixodes scapularis: Lab Project Number: AG9801. Unpublished study prepared by Benzon Research. 8 p.
44885400	McLaughlin Gormley King Company (1999) Submission of Efficacy Data in Support of the Registration of Evercide Residual Pressurized Spray 2523. Transmittal of 1 Study.
44885401	Schlekau, J. (1999) Evercide Residual Pressurized Spray 2523: Product Performance/Efficacy Reports. Unpublished study prepared by McLaughlin Gormley King Co. 258 p.
44892900	The Hartz Mountain Company (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Hartz Ref. 111. Transmittal of 1 Study.
44892901	Glass, R. (1999) Product Chemistry Data Requirements: Hartz Ref. 111: Lab Project Number: 382-0. Unpublished study prepared by Hartz Mountain Company. 13 p.
44893000	Chemsico (1999) Submission of Efficacy Data in Support of the Registration of Chemsico Tralomethrin Insecticide A. Transmittal of 1 Study.
44893001	Duckworth, C. (1996) Residual Efficacy of Chemsico Tralomethrin Insecticide A Against Carpenter Ants. Unpublished study prepared by United Industries Corp. 8 p.
44902600	Organic Resources, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Organic Resources Multipurpose Insecticide II. Transmittal of 1 Study.
44902601	Jackson, M. (1999) Product Properties Data on Organic Resources Multipurpose Insecticide II: Lab Project Number: ORMPII001. Unpublished study prepared by Organic Resources, Inc. 13 p. {OPPTS 830.1550, 830.1660, 830.1650, 830.1670, 830.1750, 830.1800, 830.6302, 830.6303, 830.6303, 830.6304, 830.6317, 830.6320, 830.7300, 830.7000}
44903400	Chemsico, A Division of United Industries Corp. (1999) Submission of Efficacy Data in Support of the Application for the Amended Registration of Chemsico Tralomethrin Insecticide A. Transmittal of 1 Study.

MRID #	Citation
44903401	Duckworth, C. (1999) Efficacy of Chemsico Tralomethrin Insecticide A Against Western Drywood and Pacific Dampwood Termites. Unpublished study prepared by Bio Research. 5 p.
44912800	S.C. Johnson and Son, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Raid FIK Formula H1A. Transmittal of 1 Study.
44912801	Smith, G. (1998) Twelve Month Room Temperature Storage-Stability Study for Raid FIK Formula H1A Formula Number 7917P150-1: Lab Project Number: 7917P150-1-A1: 354A1: 7917P150-1. Unpublished study prepared by S.C. Johnson and Son, Inc. 17 p.
44941500	Safeguard Chemical Corporation (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Black Jack DS205 Crawling Insect Killer. Transmittal of 1 Study.
44941501	Hu, H. (1999) Product Chemistry (Black Jack DS205 Crawling Insect Killer). Unpublished study prepared by Safeguard Chemical Corp. 4 p.
44950400	Chemsico (1999) Submission of Efficacy Data in Support of the Application for Registration of Chemsico Aerosol Spray A. Transmittal of 1 Study.
44950401	Duckworth, C. (1999) Efficacy of Chemsico Aerosol Spray A Against German Cockroaches (<i>Blattella germanica</i>). Unpublished study prepared by United Industries, Corp. 7 p.
44974705	Zhai, J.; Goddard, J. (1999) Evaluation of Esbiol/Deltamethrin and Deltamethrin CIKs against Lone Star Ticks. Unpublished study prepared by AgrEvo Environmental Health. 6 p.
44991300	Combe International (1999) Submission of Product Chemistry Data in Support of the Registration of Sulfodone Scratches Flea and Tick Shampoo-B for Cats and Dogs. Transmittal of 1 Study.
44991301	Stewart, R. (1999) Sulfodene Scratchex Flea and Tick Shampoo-B: Manufacturing Data: Lab Project Number: COMBE/TSG/4306-19/1. Unpublished study prepared by Technology Sciences Group Inc. 23 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1750}
45033500	Aventis Environmental Science (2000) Submission of Product Chemistry and Efficacy Data in Support of the Application for Registration of DSP 505 Insecticide. Transmittal of 4 Studies.
45033501	Johnston, S. (2000) Product Identity and Composition of DSP 505 Insecticide. Unpublished study prepared by Aventis Environmental Science. 87 p.
45033502	Johnston, S. (2000) Analysis and Certification of Product Ingredients of DSP 505 Insecticide. Unpublished study prepared by Aventis Environmental Science. 16 p.
45033503	Cantalupi, D. (1999) SBA-DTM-PB 0.05% Aerosol: Determination of Product Chemistry: Lab Project Number: 456. Unpublished study prepared by AgrEvo Environmental Health, Inc. 13 p.
45033504	Zhai, J. (1999) Performance of DSP505 Insecticide as Direct Spray Against American Cockroaches and Carpenter Ants: Lab Project Number: CHALLENGE 2000. Unpublished study prepared by AgrEvo Environmental Health. 7 p.
45034500	Aventis Environmental Science (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of SBA-DTM-PB 2.5-0.25-25 AC. Transmittal of 9 Studies.
45034501	Johnston, S. (2000) Product Identity and Composition of SBA-DTM-PB 2.5-0.25-25 AC. Unpublished study prepared by Aventis Environmental Science. 52 p.
45034502	Johnston, S. (2000) Analysis and Certification of Product Ingredients of SBA-DTM-PB 2.5-0.25-25 AC: Lab Project Number: 300-3087. Unpublished study prepared by Aventis Environmental Science. 16 p.
45034503	Cantalupi, D. (1999) SBA-DTM-PB 2.50%-0.25%-25.00% Concentrate: Determination of Product Chemistry: Lab Project Number: 455. Unpublished study prepared by AgrEvo Environmental Health, Inc. 13 p.
45034504	McRae, L. (1999) Rat Acute Oral Toxicity Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99029: TOX/99/248-116: AGV 184/992672/AC. Unpublished study prepared by Huntingdon Life Sciences Ltd. 19 p.

MRID #	Citation
45034505	McRae, L. (1999) Rat Acute Dermal Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99030: TOX/99/248-117: AGV 185/992673/AC. Unpublished study prepared by Huntingdon Life Sciences Ltd. 17 p.
45034506	Blagden, S. (1999) Rat Acute Inhalation Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99034: TOX/99/248-112: 374/068. Unpublished study prepared by Safepharm Laboratories Ltd. 50 p.
45034507	McRae, L. (1999) Rabbit Eye Irritancy: Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99032: TOX/99/248-119: AGV 187/992553/SE. Unpublished study prepared by Huntingdon Life Sciences Ltd. 18 p.
45034508	McRae, L. (1999) Rabbit Skin Irritancy: Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99031: TOX/99/248-118: AGV 186/992549/SE. Unpublished study prepared by Huntingdon Life Sciences Ltd. 16 p.
45034509	Coleman, D. (1999) Guinea-Pig Skin Sensitization (Buehler Test): Deltamethrin + Esbiol + Piperonyl Butoxide, 2.50% + 0.25% + 25.00% (Deltamethrin FIK Concentrate): Lab Project Number: TOX 99033: TOX/99/248-114: AGV 188/992838/SS. Unpublished study prepared by Huntingdon Life Sciences Ltd. 27 p.
45034600	Aventis Environmental Science (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of DSP 515 Insecticide. Transmittal of 9 Studies.
45034601	Johnston, S. (2000) Product Identity and Composition of DSP 515 Insecticide. Unpublished study prepared by Aventis Environmental Science. 87 p.
45034602	Johnston, S. (2000) Analysis and Certification of Product Ingredients of DSP 515 Insecticide. Unpublished study prepared by Aventis Environmental Science. 16 p.
45034603	Cantalupi, D. (1999) SBA-DT-PB 0.10%-0.005%-0.50% Aerosol: Determination of Product Chemistry: Lab Project Number: 457. Unpublished study prepared by AgrEvo Environmental Health. 13 p.
45034604	McRae, L. (1999) Rat Acute Oral Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide, 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99035: TOX/99/248-120: AGV 189/992674/AC. Unpublished study prepared by Huntingdon Life Sciences Ltd. 17 p. {OPPTS 870.1100}
45034605	McRae, L. (1999) Rat Acute Dermal Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide, 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99036: TOX/99/248-121: AGV 189/992674/AC. Unpublished study prepared by Huntingdon Life Sciences Ltd. 17 p. {OPPTS 870.1200}
45034606	Blagden, S. (1999) Rat Acute Inhalation Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide FIK Pre-Fill Emulsion: Lab Project Number: TOX 99040: TOX/99/248-113: C004194. Unpublished study prepared by Safepharm Laboratories Limited. 50 p. {OPPTS 870.1300}
45034607	McRae, L. (1999) Rabbit Eye Irritancy: Deltamethrin + Esbiol + Piperonyl Butoxide, 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99038: TOX/99/248-123: AGV 192/992554/SE. Unpublished study prepared by Huntingdon Life Sciences Ltd. 18 p. {OPPTS 870.2400}
45034608	McRae, L. (1999) Rabbit Skin Irritancy: Deltamethrin + Esbiol + Piperonyl Butoxide, 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99037: TOX/99/248-122: AGV 191/992550/SE. Unpublished study prepared by Huntingdon Life Sciences Ltd. 16 p. {OPPTS 870.2500}
45034609	Coleman, D. (1999) Guinea-Pig Skin Sensitization (Buehler Test): Deltamethrin + Esbiol + Piperonyl Butoxide, 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99039: TOX/99/248-115: AGV 193/992839/SS. Unpublished study prepared by Huntingdon Life Sciences Ltd. 27 p. {OPPTS 870.2600}

MRID #	Citation
45065700	Aventis Environmental Science (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of DS 105 OB Insecticide. Transmittal of 10 Studies.
45065701	Johnston, S. (2000) Product Identity and Composition of DS 105 OB Insecticide. Unpublished study prepared by Aventis Environmental Science. 78 p.
45065702	Johnston, S. (2000) Analysis and Certification of Product Ingredients of DS 105 OB Insecticide: Lab Project Number: 200-3082. Unpublished study prepared by Aventis Environmental Science. 16 p.
45065703	Hernandez, I. (1999) SBA 0.05% DTM 0.01% Wasp and Hornet OBA: Determination of Product Chemistry: Lab Project Number: 451. Unpublished study prepared by Aventis Environmental Health. 16 p.
45065704	Savino, F. (1999) Dielectric Breakdown Voltage-SBA 0.0512% + DTM 0.0104% Pre-fill Solution: Lab Project Number: 125298. Unpublished study prepared by SGS U.S. Testing Company. 8 p.
45065705	Wason, S. (1999) Rat Acute Oral Toxicity: Deltamethrin + S-Bioallethrin (Esbiol) 0.0104 + 0.0512% w/w Oil Based Aerosol Prefill Solution: Lab Project Number: TOX 99117: C005596: TOX/99/248-132. Unpublished study prepared by AgrEvo UK Limited. 25 p.
45065706	Wason, S. (1999) Rat Acute Dermal Toxicity: Deltamethrin + S-Bioallethrin (Esbiol) 0.0104 + 0.0512% w/w Oil Based Aerosol Prefill Solution: Lab Project Number: TOX 99118: C005597: TOX/99/248-133. Unpublished study prepared by AgrEvo UK Limited. 25 p.
45065707	Blagden, S. (1999) Rat Acute Inhalation Toxicity: Deltamethrin + S-Bioallethrin (Esbiol) 0.0104 + 0.0512% w/w Oil Based Aerosol Prefill Solution: Lab Project Number: TOX 99122: C005591: TOX/99/248-131. Unpublished study prepared by Safepharm Laboratories Limited. 49 p.
45065708	Wason, S. (1999) Rabbit Eye Irritancy: Deltamethrin + S-Bioallethrin (Esbiol) 0.0104 + 0.0512% w/w Oil Based Aerosol Prefill Solution: Lab Project Number: TOX 99120: TOX/99/248-135: C005599. Unpublished study prepared by AgrEvo UK Limited. 17 p.
45065709	Wason, S. (1999) Rabbit Skin Irritancy: Deltamethrin + S-Bioallethrin (Esbiol) 0.0104 + 0.0512% w/w Oil Based Aerosol Prefill Solution: Lab Project Number: TOX 99119: C005598: TOX/99/248-134. Unpublished study prepared by AgrEvo UK Limited. 16 p.
45065710	Coleman, D. (1999) Guinea-Pig Skin Sensitization (3 Indication Buehler Method): Deltamethrin + S-Bioallethrin (Esbiol) 0.01% + 0.05% Oil Based Aerosol Pre-fill Solution: Lab Project Number: TOX 99121: C005913: TOX/99/248-130. Unpublished study prepared by AgrEvo UK Limited. 29 p.
45066100	Aventis Environmental Science (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of SBA-DTM 2.86-0.572 OB AC. Transmittal of 9 Studies.
45066101	Johnston, S. (2000) Product Identity and Composition of SBA-DTM 2.86-0.572 OB AC. Unpublished study prepared by Aventis Environmental Science. 52 p.
45066102	Johnston, S. (2000) Analysis and Certification of Product Ingredients of SBA-DTM 2.86-0.572 OB AC. Unpublished study prepared by Aventis Environmental Science. 16 p.
45066103	Hernandez, I. (1999) SBA-DTM 2.86% DTM 0.58% Concentrate Determination of Product Chemistry: Lab Project Number: 450. Unpublished study prepared by AgrEvo Environmental Health. 16 p.
45066104	Hernandez, I. (1999) Rat Acute Oral Toxicity Study: Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 99112: TOX/99/248-124. Unpublished study prepared by AgrEvo UK Ltd. 24 p. {OPPTS 870.1100}
45066105	Wason, S. (1999) Rat Acute Dermal Toxicity: Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 99113: TOX/99/248-125. Unpublished study prepared by AgrEvo UK Ltd. 25 p. {OPPTS 870.1200}
45066106	Blagden, S. (1999) Rat Acute Inhalation Toxicity: Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 99111: TOX/99/248-129. Unpublished study prepared by Safepharm Labs., Ltd. 47 p. {OPPTS 870.1300}

MRID #	Citation
45066107	Wason, S. (1999) Rabbit Eye Irritancy: Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 99115: TOX/99/248-127. Unpublished study prepared by AgrEvo UK Ltd. 17 p. {OPPTS 870.2400}
45066108	Wason, S. (1999) Rabbit Skin Irritancy: Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 9914: TOX/99/248-126. Unpublished study prepared by AgrEvo UK Ltd. 16 p. {OPPTS 870.2500}
45066109	Coleman, D. (1999) Guinea-Pig Skin Sensitization (3 Induction Buehler Method): Deltamethrin + S-Bioallethrin (Esbiol) 0.58 + 2.86% w/w Oil Based Aerosol Concentrate: Lab Project Number: TOX 99116: TOX/99/248-128. Unpublished study prepared by AgrEvo UK Ltd. 31 p. {OPPTS 870.2600}
45073900	Chemsico (2000) Submission of Efficacy Data in Support of the Registration of Chemsico Tralomethrin Insecticide B. Transmittal of 1 Study.
45073901	Duckworth, C. (2000) Efficacy Summary for a Series of Tralomethrin Aerosol and RTU Formulations. Unpublished study prepared by Roussel Uclaf. 13 p.
45104200	Aventis Environmental Science (2000) Submission of Efficacy Data in Support of the Application for Registration of DSP 505 Insecticide. Transmittal of 5 Studies.
45104201	Zhai, J.; Cantalupi, D. (1998) Interim Report: Development of Deltamethrin/Esbiol/PBO Water-Based FIK Aerosol Formulations. Unpublished study prepared by Aventis Environmental Science. 6 p.
45104202	Zhai, J. (1998) Performance of Deltamethrin/Esbiol/ FIK Aerosols Against German Cockroaches and Cat Fleas. Unpublished study prepared by Aventis Environmental Science. 6 p.
45104203	Cilek, J.; Zhai, J. (1999) Performance of Suspend SC, DeltaGard WP, DeltaGard WDG, DS505 (DeltaGard/Esbiol Aerosol) and DeltaGard HPC As Direct Sprays Against the Stable Fly, <i>Stomoxys calcitrans</i> . Unpublished study prepared by Florida A&M University. 10 p.
45104204	Lesiewicz, D. (1999) Deltamethrin/Esbiol Water-Based FIK Performance On Bees and Wasps. Unpublished study prepared by Aventis Environmental Science. 5 p.
45104205	Benzon, G. (1999) Evaluation of DS505 Applied as a Deposit to Glass Plates Against Adult <i>Aedes aegypti</i> Mosquitoes: Lab Project Number: AG9903. Unpublished study prepared by Benzon Research. 18 p.
45104400	Aventis Environmental Science (2000) Submission of Toxicity Data in Support of the Application for Registration of DSP 505 Professional Insecticide. Transmittal of 1 Study.
45104401	McRae, L. (1999) Rat Acute Dermal Toxicity: Deltamethrin + Esbiol + Piperonyl Butoxide 0.0062% + 0.128% + 0.617% (Deltamethrin FIK Pre-Fill Emulsion): Lab Project Number: TOX 99036: C004448: TOX/99/248-121. Unpublished study prepared by Huntingdon Life Sciences Ltd. 17 p. {OPPTS 870.1200}
45129400	Chem-I-Matic, Inc. (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Pyranha 1-10 SBA Concentrate. Transmittal of 9 Studies.
45129401	Jackson, M. (2000) Product Properties Data on Pyranha 1-10 SBA Concentrate: Lab Project Number: CIM-2000-01. Unpublished study prepared by Brazos Associates, Inc. 12 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1650, 830.1670}
45129402	Anderson, W. (2000) Product Chemistry: End-Use Product Pyranha 1-10 SBA Concentrate: Lab Project Number: 5516-99. Unpublished study prepared by Stillmeadow, Inc. 13 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.7000, 830.7100, 830.7300}
45129403	Anderson, W. (2000) Storage Stability with Corrosion Characteristics: Pyranha 1-10 SBA Concentrate: Interim Report: Lab Project Number: 5515-99. Unpublished study prepared by Stillmeadow, Inc. 10 p. {OPPTS 830.6317, 830.6320}
45129404	Kuhn, J. (2000) Acute Oral Toxicity Study in Rats: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5525-99. Unpublished study prepared by Stillmeadow, Inc. 11 p. {OPPTS 870.1100}

MRID #	Citation
45129405	Kuhn, J. (2000) Acute Dermal Toxicity Study in Rabbits: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5526-99. Unpublished study prepared by Stillmeadow, Inc. 13 p. {OPPTS 870.1200}
45129406	Leeper, L. (2000) Acute Inhalation Toxicity Study in Rats: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5527-99. Unpublished study prepared by Stillmeadow, Inc. 21 p. {OPPTS 870.1300}
45129407	Kuhn, J. (2000) Acute Eye Irritation Study in Rabbits: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5528-99. Unpublished study prepared by Stillmeadow, Inc. 17 p. {OPPTS 870.2400}
45129408	Kuhn, J. (2000) Acute Dermal Irritation Study in Rabbits: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5529-99. Unpublished study prepared by Stillmeadow, Inc. 14 p. {OPPTS 870.2500}
45129409	Kuhn, J. (2000) Skin Sensitization Study in Guinea Pigs: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 5530-99. Unpublished study prepared by Stillmeadow, Inc. 19 p. {OPPTS 870.2600}
45137602	Zhai, J. (1998) Performance of 0.05% Esbio/0.02% Deltamethrin and Deltamethrin against House Flies, Carpenter Ants and House Crickets: Lab Project Number: US/EH 98-057. Unpublished study prepared by Aventis Environmental Science. 7 p.
45183800	K-G Packaging (2000) Submission of Product Chemistry Data in Support of the Application for Registration of CCL Insecticide Foam Spray II. Transmittal of 2 Studies.
45183801	Horne, K. (2000) CCL Insecticide Foam Spray II Manufacturing Data Volume Part 1: Lab Project Number: 012-5-149-1. Unpublished study prepared by K-G Packaging. 69 p. {OPPTS 830.1550, 830.1800, 830.1600, 830.1650, 830.1670, 830.1700, 830.1750}
45183802	Horne, K. (2000) CCL Insecticide Foam Spray II Physical and Chemical Characteristics Data Volume: Lab Project Number: 012-5-149-1. Unpublished study prepared by K-G Packaging. 7 p. {OPPTS 830.6303, 830.6315, 830.7000, 830.7300}
45193700	Chase Products Co. (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Champion Sprayon Flying & Crawling Insect Killer Formula II. Transmittal of 1 Study.
45193701	Chase Product Co. (2000) Champion Sprayon Flying & Crawling Insect Killer Formula II. Unpublished study prepared by Chase Products Co. 4 p.
45196600	Apollo Industries Inc. (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Apollo CIK Spray II. Transmittal of 1 Study.
45196601	Sabo, W. (2000) Product Chemistry: (Apollo CIK Spray II). Unpublished study prepared by Apollo Industries, Inc. 4 p.
45264800	Aventis Environmental Science (2000) Submission of Product Chemistry Data in Support of the Registration of the Bioallethrin Technical. Transmittal of 1 Study.
45264801	Petrovic, P. (2000) Analytical Profiles of Five Production Batches: Bioallethrin Technical: Lab Project Number: C010255, VP 063/2000. Unpublished study prepared by Clariant GmbH. 46 p. {OPPTS 830.1700}
45267200	Aerochem, Inc. (2000) Submission of Toxicity Data in Support of the Application for Registration of Aero Insecticide Concentrate. Transmittal of 5 Studies.
45267201	Moore, G. (2000) Acute Oral Toxicity Study in Rats-Limit Test: (Aero Insecticide Concentrate): Lab Project Number: 9509. Unpublished study prepared by Product Safety Labs. 15 p. {OPPTS 870.1100}
45267202	Moore, G. (2000) Acute Dermal Toxicity Study in Rats-Limit Test (Aero Insecticide Concentrate): Lab Project Number: 9510. Unpublished study prepared by Product Safety Labs. 16 p. {OPPTS 870.1200}

MRID #	Citation
45267203	Moore, G. (2000) Acute Inhalation Toxicity Study in Rats-Limit Test (Aero Insecticide Concentrate): Lab Project Number: 9511. Unpublished study prepared by Product Safety Labs. 22 p. {OPPTS 870.1300}
45267204	Moore, G. (2000) Primary Eye Irritation Study in Rabbits-Limit Test: (Aero Insecticide Concentrate): Lab Project Number: 9512. Unpublished study prepared by Product Safety Labs. 115 p. {OPPTS 870.2400}
45267205	Moore, G. (2000) Primary Skin Irritation Study in Rabbits-Limit Test (Aero Insecticide Concentrate): Lab Project Number: 9513. Unpublished study prepared by Product Safety Labs. 15 p. {OPPTS 870.2500}
45267500	Zep Manufacturing Company (2000) Submission of Product Chemistry Data in Support of the Application for the Registration of Zep Flush N Kill. Transmittal of 1 Study.
45267501	Fiore, C. (2000) Product Chemistry: (ZEP Flush N Kill). Unpublished study prepared by Zep Manufacturing Co. 4 p.
45298900	Rainbow Technology Corporation (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Multi-Bug II. Transmittal of 1 Study.
45298901	Davis, K. (2000) Product Chemistry Data of Multi-Bug II. Unpublished study prepared by RegWest Company. 11 p. {OPPTS 860.1550, 830.1600, 830.1620, 830.1650, 830.1670, 830.1750}
45319200	Unicorn Laboratories (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of Unicorn Flying & Crawling Insect Killer III. Transmittal of 1 Study.
45319201	Tharrington, L. (2001) Product Chemistry: Unicorn Flying & Crawling Insect Killer III. Unpublished study prepared by Unicorn Laboratories. 4 p.
45319300	Unicorn Laboratories (2001) Submission of Product Chemistry Data in Support of the Application for Registration of Unicorn Flying & Crawling Insect Killer IV. Transmittal of 1 Study.
45319301	Tharrington, L. (2001) Product Chemistry: Unicorn Flying & Crawling Insect Killer IV. Unpublished study prepared by Unicorn Laboratories. 4 p.
45319600	Unicorn Laboratories (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of Unicorn Flying & Crawling Insect Killer V. Transmittal of 1 Study.
45319601	Tharrington, L. (2001) Product Chemistry: Unicorn Flying & Crawling Insect Killer V. Unpublished study prepared by Unicorn Laboratories. 4 p.
45334300	Zobebe Industrie Chimiche S.p.A. (2001) Submission of Efficacy Data in Support of the Registration of Spira Area Mosquito Repellent. Transmittal of 1 Study.
45334301	Perkins, P. (2000) Efficacy Data against Black Flies of ThermaCELL Mosquito Repellent: Lab Project Number: 0019605. Unpublished study prepared by Scientific Coordination, Inc. 50 p.
45335700	Speer Products Inc. (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of SPI Deltamethrin Aerosol Insecticide. Transmittal of 1 Study.
45335701	Wherry, K.; Price, W. (2000) Product Identity, Composition, and Process Description of SPI Deltamethrin Aerosol Insecticide. Unpublished study prepared by Speer Products, Inc. 50 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1620, 830.1750}
45339000	Pyranha, Inc. (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of Pyranha 1-10 SBA Concentrate. Transmittal of 1 Study.
45339001	Anderson, W. (2000) Enforcement Analytical Method: Pyranha 1-10 SBA Concentrate: Final Report: Lab Project Number: 6063-00. Unpublished study prepared by Stillmeadow, Inc. 15 p.
45387600	Aerochem, Inc. (2001) Submission of Toxicity Data in Support of the Application for Registration of Aero Insecticide Concentrate. Transmittal of 1 Study.
45387601	Moore, G. (2000) Dermal Sensitization Study in Guinea Pigs (Buehler Method): Aero Insecticide Concentrate: Lab Project Number: 9514: P328. Unpublished study prepared by Product Safety Labs. 28 p. {OPPTS 870.2600}

MRID #	Citation
45466900	Aventis Environmental Science (2001) Submission of Product Chemistry Data in Support of the Amended Registration of Esbiothrin Technical. Transmittal of 1 Study.
45466901	Petrovic, P. (2000) Analytical Profiles of Five Production Batches: Esbiothrin Technical: Lab Project Number: C010838: VP 090/2000: B 090/2000. Unpublished study prepared by Clariant GmbH. 43 p. {OPPTS 830.1700, 830.1800}
45483100	McLaughlin Gormley King, Co. (2001) Submission of Efficacy Data in Support of the Registration of Evercide Residual Pressurized Spray 2581. Transmittal of 1 Study.
45483101	Schelekau, J. (2001) Product Performance/Efficacy Reports: Evercide Residual Pressurized Spray 2581: Lab Project Number: E-3256-93: E-2853-88: E-3059-91. Unpublished study prepared by McLaughlin Gormley King Company and Insect Control and Research, Inc. 87 p.
45517500	S.C. Johnson & Son, Inc. (2001) Submission of Product Chemistry Data in Support of the Amended Registration of Repellent LMO. Transmittal of 1 Study.
45517501	Lee, H. (1996) Twelve Month Room Temperature Storage--Stability Study for for Repellent LMO: Lab Project Number: 6122D44-1: 6122D44-1-A1: 304A1. Unpublished study prepared by S.C. Johnson & Son, Inc. 17 p.
45592200	US EPA (2002) Submission of Exposure, Risk, Pesticide Use, Toxicity, Safety, Residue, and Environmental Fate Data. Transmittal of 50 Studies.
45592250	Prinsen, G.; van Sittert, N. (1980) Exposure and Medical Monitoring Study of a New Synthetic Pyrethroid After One Season of Spraying on Cotton in Ivory Coast. Studies Environmental Science 7:105-120.
45605700	Whitmire Micro-Gen Research Laboratories, Inc. (2002) Submission of Efficacy Data in Support of the Application for Registration of Whitmire Micro-Gen TC 236. Transmittal of 1 Study.
45605701	Cardoza, R.; Kirkland, R. (2001) Efficacy of TC-236 in the Control of the Argentine Ant and the German Cockroach: Lab Project Number: 323-01. Unpublished study prepared by Bio Research. 12 p.
45606700	Aventis Environmental Science (2001) Submission of Efficacy Data in Support of the Amended Registration of K-Othrine SC Insecticide. Transmittal of 25 Studies.
45606710	Cilek, J.; Zhai, J. (1999) Performance of Suspend SC, Deltagard WP, Deltagard WDG, DS 505 (DeltaGard/Esbiol Aerosol) and Deltagard HPC as Direct Sprays against the Stable Fly, Stomoxys calcitrans: Lab Project Number: US/EH99-116. Unpublished study prepared by Florida A & M University. 11 p.
45632700	Pyranha, Inc. (2002) Submission of Product Chemistry Data in Support of the Application for Registration of Pyranha 1-10 SBA Concentrate. Transmittal of 1 Study.
45632701	Hoppe, J. (2002) Oxidation/Reduction Chemical Incompatibility Study for Pyranha 1-10 SBA Concentrate: Lab Project Number: 111545. Unpublished study prepared by Custom Industrial Analysis Labs. 18 p. {OPPTS 830.6314}
45738700	Valent BioSciences Corp. (2002) Submission of Product Chemistry Data in Support of the Registration of DS 205 Insecticide. Transmittal of 1 Study.
45738701	Essig, K. (1998) Esbiol 0.05% Deltamethrin 0.02% Water Based Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 365: AR97-0264: AR97-0120. Unpublished study prepared by AgrEvo Environmental Health. 32 p. {OPPTS 830.6317 and 830.6320}
45788800	Valent BioSciences (2002) Submission of Product Chemistry Data in Support of the Amended Registration of Esbiol Technical. Transmittal of 1 Study.
45788801	Fischer, A. (2002) Analytical Profiles of Five Production Batches Produced by BILAG Industries Limited (India): Esbiol Technical: Final Report: Lab Project Number: VP 021/2002: B 021/2002: 3. Unpublished study prepared by AllessaChemie GmbH Analytik. 52 p. {OPPTS 830.1700, 830.1800}

MRID #	Citation
45876700	Bayer Environmental Science (2003) Submission of Efficacy and Fate Data in Support of the Application for Registration of Aqua-Scourge Insecticide. Transmittal of 6 Studies.
45876701	Kuitert, L. (1970) Effect of Resmethrin and other Pyrethroids on Various Fly Species: Lab Project Number: PENNICK70.03. Unpublished study prepared by University of Florida. 12 p.
45931500	Valent BioSciences Corporation (2003) Submission of Product Chemistry and Efficacy Data in Support of the Application for Registration of DS 105 OB Insecticide. Transmittal of 2 Studies.
45931501	Zhao, Z. (2000) Esbiol 0.05% Deltamethrin 0.01% Oil Based Wasp & Hornet Aerosol, Determination of Storage Stability and Corrosion Characteristics: Lab Project Number: 453: AR99-0033: AR99-0263. Unpublished study prepared by Aventis Environmental Science. 31 p. {OPPTS 830.6317 and 830.6320}
45931502	Lovelady, C. (2003) The Efficacy of DS105 OB a Valent BioSciences Oil Based 0.01% Deltamethrin, 0.05% S-Bioallethrin Wasp and Hornet Spray as a Direct Spray Against Polistes spp. Nests in Bryan, Texas, 2002: Lab Project Number: VBCESD-1. Unpublished study prepared by International Institute for Urban and Social Insects. 14 p.
46033700	Rainbow Technology Corporation (2003) Submission of Product Chemistry Data in Support of the Application for Registration of Rainbow Liquid Wasp & Ant Spray. Transmittal of 3 Studies.
46033701	Davis, K. (2003) Product Chemistry Data of Rainbow Liquid Wasp & Ant Spray. Unpublished study prepared by Rainbow Technology Corp. 12 p.
46033702	Richardson, M. (2003) Determination of the Physical State of Rainbow Liquid Wasp & Ant Spray. Project Number: 467S01. Unpublished study prepared by EPL Bio-Analytical Services. 17 p.
46033703	Richardson, M. (2003) Determination of the Corrosion Characteristics of Rainbow Liquid Wasp & Ant Spray. Project Number: 467S02. Unpublished study prepared by EPL Bio-Analytical Services. 21 p.
46157200	McLaughlin Gormley King Co. (1983) Submission of Toxicity Data in Support of the Registration of d-trans Allethrin Technical Grade. Transmittal of 1 Study.
46157201	Preisc, F. (1979) Letter Sent to G.J. Baker Dated July 20, 1979: Mutagenicity of D-trans Allethrin (Including SRI International Report: In vitro Assays of Salmonella typhimurium Strain TA100: Bioallethrin). 2 p.
46261300	McLaughlin Gormley King Company (2004) Submission of Toxicity Data in Support of the Registration of Evercide Intermediate 2491. Transmittal of 1 Study.
46261301	Moore, G. (2004) Evercide Intermediate 2491: Acute Inhalation Toxicity Study in Rats - Limit Test. Project Number: 14821, P330. Unpublished study prepared by Product Safety Labs. 22 p.
46284800	Bayer Environmental Science (2004) Submission of Product Chemistry Data in Support of the Registration of Esbiol 90% Concentrate. Transmittal of 1 Study.
46284801	Girard-Andis, M. (1996) Determination of Storage Stability and Corrosion Characteristics: Esbiol 90% Concentrate. Project Number: 205, AR94/0171, AR94/0285. Unpublished study prepared by: Agrevo Environmental Health and Roussel Uclaf. 31 p.
46299700	McLaughlin Gormley King Co. (2004) Submission of Product Chemistry Data in Support of the Amended Registration of Evercide Residual Pressurized Spray 2523. Transmittal of 1 Study.
46299701	Palkki, K. (2003) Product Chemistry of Evercide Residual Pressurized Spray 2523. Project Number: GLP/1713. Unpublished study prepared by McLaughlin Gormley King Co. 12 p.
46300200	McLaughlin Gormley King Co. (2004) Submission of Product Chemistry Data in Support of the Amended Registration of Evercide Ant and Roach Spray 2622. Transmittal of 1 Study.
46300201	Palkki, K. (2003) Product Chemistry of Evercide Ant and Roach Spray 2622. Project Number: GLP/1739. Unpublished study prepared by McLaughlin Gormley King Co. 12 p.
46335200	McLaughlin Gormley King Co. (2004) Submission of Product Chemistry Data in Support of the Registration of Evercide Residual Pressurized Spray 2523. Transmittal of 1 Study.

MRID #	Citation
46335201	Carlson, D. (1990) Evercide Intermediate 249; Evercide Residual Pressurized Spray 2523. Project Number: GLP/33, GF/176, GF61. Unpublished study prepared by McLaughlin Gormley King Co. 12 p.
46425500	McLaughlin Gormley King Co. (2004) Submission of Product Chemistry Data in Support of the Registration of Evercide Ant and Roach Spray 2622. Transmittal of 1 Study.
46425501	Wodarski, A. (1995) Storage Stability of Evercide Intermediate 2531, Evercide Roach & Ant Spray 2622. Project Number: GLP/164. Unpublished study prepared by McLaughlin Gormley King Co. 11 p.
46427400	Apollo Technologies (2004) Submission of Product Chemistry Data in Support of the Application for Registration of Apollo CIK Spray II. Transmittal of 1 Study.
46427401	Burnell, V. (2004) Product Chemistry of Apollo CIK (Crawling Insect Killer) Spray II. Unpublished study prepared by Apollo Industries Incorporated. 4 p.
46466200	Chemsico (2005) Submission of Product Chemistry, Toxicity and Efficacy Data in Support of the Application for Registration of Chemsico Aerosol Insecticide LD. Transmittal of 12 Studies.
46466203	Schoenberg, P. (2005) Determination of Lambda-cylohexathrin and d-trans Allethrin Content in Certain Pesticide Formulations. Project Number: UILC/083/00. Unpublished study prepared by United Industries Corp. 15 p.
46558800	Kerslig Candle Light (2005) Submission of Product Chemistry Data in Support of the Application for Registration of Ultimate Bug Candle. Transmittal of 1 Study.
46558801	Brookman, D.; Curry, K. (2005) Product Chemistry Group A and Group B for Ultimate Bug Candle. Project Number: UBC/PP. Unpublished study prepared by Technology Sciences Group, Inc. 55 p.
46581000	EcoSmart Technologies, Inc. (2005) Submission of Efficacy Data in Support of the Application for Registration of EcoPCO Jet. Transmittal of 1 Study.
46581001	Kirkland, R. (2005) Efficacy of EcoPCO JET, Eco Exempt JET, and EcoPCO JET/X in the Control of Paper Wasps in the Field. Project Number: 133/04. Unpublished study prepared by Bio Research. 12 p.
46582500	Valent BioSciences Corp. (2005) Submission of Toxicity Data in Support of the Reregistration of Allethrin. Transmittal of 2 Studies.
46582501	McFarlane, M. (2000) AE F147006 (S-Bioallethrin) Rat 90-Day Neurotoxicity Study. Project Number: TOX98167, TOX/00/254/103. Unpublished study prepared by Aventis Cropscience UK Ltd. 359 p.
46582502	Gentry, P.; Allen, B.; VanLandingham, C. (2004) Quantitative Dose-Response Analyses: Application of the Benchmark Method and Statistical Analyses of the Data for Esbiol: (Rat). Project Number: VBC/58108. Unpublished study prepared by Environ International Corp. 80 p.
46598600	Kerslig Candle Light (2005) Submission of Efficacy Data in Support of the Application for Registration of Ultimate Bug Candle. Transmittal of 1 Study.
46598601	Garbers, H.; Loots, J. (2005) Efficacy Study of the Ultimate Bug Candle Against Mosquitoes and House Flies. Project Number: 7216/2491499/Y008. Unpublished study prepared by Technology Sciences Group, Inc. and Conformity Services (Pty) Ltd. 5 p.
46632100	Pyranha, Inc. (2005) Submission of Product Chemistry Data in Support of the Amended Registration of Pyranha 1-10 SBA Concentrate. Transmittal of 1 Study.
46632101	Hoppe, J. (2005) Storage Stability with Corrosion Characteristics for Pyranha 1-10 SBA Concentrate. Project Number: 117273. Unpublished study prepared by Custom Industrial Analysis Labs. 140 p.
46709500	Valent Biosciences Corp. (2005) Submission of Efficacy Data in Support of the Registration of UltraTec DS 205 Insecticide and UltraTec DS 210 Insecticide. Transmittal of 1 Study.
46709501	Zhai, J. (1999) Residual Activity of Deltagard and Esbiol/Deltagard Water-Based Aerosols against German Cockroaches. Unpublished study prepared by Agrevo Environmental Health. 8 p.

MRID #	Citation
46727300	Boehringer Ingelheim (2005) Submission of Product Chemistry Data in Support of the Reregistration of the Bioallethrin, 2,5-Pyridinedicarboxylic acid, dipropyl ester, 4,7-Methano-1H-isoindole-1,3(2H)-dione, 2-(2-ethylhexyl)-3a,4, 7, 7a-tetrahydro, Piperonyl butoxide, Permethrin and Pyriproxyfen Containing Product Petnocide Pet Spray. Transmittal of 1 Study.
46727301	Bishop, A. (2006) Ptenocide Pet Spray for Dogs, Cats, Puppies & Kittens: Description of Materials Used to Produce this Product. Unpublished study prepared by Boehringer Ingelheim Animal Health Inc. 47 p.
46748600	Bonide Products, Inc. (2006) Submission of Product Chemistry Data in Support of the Application for Registration of Bonide Crawling Insect Killer. Transmittal of 1 Study.
46748601	Horton, R. (2006) Product Chemistry of Bonide Crawling Insect Killer. Unpublished study prepared by Bonide Products, Inc. 4 p.
46840100	Kerslig Candle Light (2006) Submission of Product Chemistry Data in Support of the Application for Registration of Ultimate Bug Candle. Transmittal of 1 Study.
46840101	Brookman, D.; Curry, K.; Bjornson, H. (2006) Product Chemistry Group A and Group B for Ultimate Bug Candle. Project Number: UBC/PP/2. Unpublished study prepared by Technology Sciences Group, Inc. 52 p.
46851400	Bengal Products, Inc. (2006) Submission of Product Chemistry Data in Support of the Application for Registration of Kitchen and Bathroom Bug Killer. Transmittal of 1 Study.
46851401	Orman, J. (2006) Product Chemistry of Kitchen and Bathroom Bug Killer. Unpublished study prepared by Bengal Products Inc. 4 p.
46879100	Sumitomo Chemical Company, Ltd. (2006) Submission of Toxicity Data in Support of the Reregistration of Pynamin Forte. Transmittal of 1 Study.
46879101	Kawaguchi, S. (1993) Three-Month Inhalation Toxicity Study of Pynamin Forte in Rats. Project Number: 2596, KT/30/0123, 92092. Unpublished study prepared by Sumitomo Chemical Co. Ltd., Envr. Health. 818 p.
46883800	U.S. Environmental Protection Agency (2006) Submission of Toxicity, Fate, Residue and Exposure and Risk Data. Transmittal of 25 Studies.
46883824	Ross, J.; Fong, H.; Thongsinthusak, T.; et al. (1991) Measuring Potential Dermal Transfer of Surface Pesticide Residue Generated from Indoor Fogger Use: Using the CDFA Roller Method Interim Report II. Chemosphere 9-10(22): 975-984.
46890100	Valent BioSciences Corporation (2006) Submission of Efficacy Data in Support of the Application for Registration of VBC Esbiol 90 Insecticide. Transmittal of 2 Studies.
46890101	Duffield, L. (1996) Biological Evaluation of the Relative Efficacy of Pyrethrins, Synergized and Unsynergized, S-Bioallethrin and ETOC When Used as a Space Spray Against a Range of Insect Sprays. Project Number: GB95/0074. Unpublished study prepared by AgrEvo Environmental Health. 23 p.
46890102	Lesiewicz, D.; Zhai, J.; Lucas, J.; et al. (2006) New Uses for Allethrin Series Compounds Against Public Health & Stored Product Pests. P. 555-559 in Unknown Source.
46898400	Multinational Resources, Inc. (2006) Submission of Product Chemistry Data in Support of the Application for Registration of Buzz Buster Mosquito Repellent Coils. Transmittal of 1 Study.
46898401	McLane, H. (2006) Product Chemistry: Buzz Buster Mosquito Repellent Coils. Unpublished study prepared by H.R. McLane & Company Inc. 16 p.
47009700	Farnam Companies, Inc. (2006) Submission of Product Chemistry and Toxicity Data in Support of the Reregistration of the Esbiothrin, MGK 326, and MGK 264 Containing Product Esbiothrin Flea and Tick Mist. Transmittal of 3 Studies.
47009701	Unger, D. (2006) Product Chemistry of Farnam's Esbiothrin Flea and Tick Mist. Project Number: GLP/2040. Unpublished study prepared by McLaughlin Gormley King Co. 11 p.

MRID #	Citation
47009703	Durando, J. (2006) Esbiothrin Flea and Tick Mist: Acute Dermal Toxicity Study in Rats - Limit Test. Project Number: 19020, P322. Unpublished study prepared by Product Safety Laboratories. 15 p.
47009704	Durando, J. (2006) Esbiothrin Flea and Tick Mist: Acute Inhalation Toxicity Study in Rats - Limit Test. Project Number: 19021, P330. Unpublished study prepared by Product Safety Laboratories. 22 p.
47050500	Pyrethroid Working Group (2007) Submission of Toxicity Data in Support of the Reregistration of Pyrethroid Insecticides. Transmittal of 7 Studies.
47050501	Breckenridge, C.; Holden, L. (2007) Evidence for Separate Mechanism of Action for Type I and Type II Pyrethroid Insecticides. Project Number: PWG/TOX/2007/01. Unpublished study prepared by Pyrethroid Working Group. 144 p.
47050502	Burr, S.; Ray, D. (2004) Structure-Activity and Interaction Effects of 14 different Pyrethroids on Voltage-Gated Chloride Ion Channels. <i>Toxicological Sciences</i> 77(2):341-346.
47050503	Clark, J.; Symington, S. (2006) Action of T- and CS-Syndrome Pyrethroids on Calcium Influx and Glutamate Release from Isolated Presynaptic Nerve Terminals from Rat Brain. Project Number: PWG/TOX/2006/01. Unpublished study prepared by University of Massachusetts. 67 p.
47050504	Nemec, M. (2005) A Range-Finding Acute Functional Observation Battery Study in Rats. Project Number: 00/PWG/101, WIL/409001. Unpublished study prepared by WIL Research Laboratories, Inc. 660 p.
47050505	Nemec, M. (2006) An Acute Functional Observational Battery Comparison Study in Rats. Project Number: 02/PWG/001, WIL/409002. Unpublished study prepared by WIL Research Laboratories, Inc. 867 p.
47050506	Ray, D.; Burr, S.; Lister, T. (2006) The Effects of Combined Exposure to the Pyrethroids Deltamethrin and S-bioallethrin on Hippocampal Inhibition and Skeletal Muscle Hyperexcitability in Rats. <i>Toxicology and Applied Pharmacology</i> 216:354-362.
47050507	Soderlund, D. (2006) Action of Commercial Pyrethroids on Mammalian Sodium Channel Isoforms Expressed in <i>Xenopus</i> Oocytes. Project Number: PWG/TOX/2006/03. Unpublished study prepared by Cornell University. 40 p.
47132900	S.C. Johnson & Son, Inc. (2007) Submission of Toxicity Data in Support of the Amended Registration of Raid House & Garden Bug Killer Formula 7. Transmittal of 1 Study.
47132901	Christian-Meier, M. (1996) Evaluation of House and Garden 7 for Phytotoxicity on Ferns, Spider Plant, Ageratum, Begonia, Deciduous Shrubs, Evergreens, Marigolds, Salvia, Impatiens and Geraniums: Amended Final Report. Project Number: 106008, 108107, 5786. Unpublished study prepared by S.C. Johnson & Son, Inc. 34 p.
47142400	The Schawbel Corporation (2007) Submission of Efficacy Data in Support of the Registration of Thermacell Mosquito Repellent. Transmittal of 4 Studies.
47142401	Dickens, T. (2007) Quality Control (QC) Temperature and Device Specification: Representative Device Temperature Data: ThermaCELL Mosquito Repellent. Project Number: SCI/TMARTEMP/041307. Unpublished study prepared by The Schawbel Corporation. 28 p.
47142402	Ellis, R. (2000) ThermaCell Area Repellent Field Test Report. Project Number: SCI081000. Unpublished study prepared by Prairie Pest Management. 19 p.
47142403	Alten, B.; Caglar, S.; Simsek, F.; et. al. (2003) Field Evaluation of an Area Repellent System (Thermacell) Against <i>Phlebotomus papatasi</i> (Diptera: Psychodidae) and <i>Ochlerotatus caspius</i> (Diptera: Culicidae) in Sanhurfa Province, Turkey. <i>Journal of Medical Entomology</i> 40(6):930-934.
47142404	Perkins, P. (2000) Field Testing of Area Repellent Against Black Flies. Project Number: SCI0019605, 0019605. Unpublished study prepared by Scientific Coordination, Inc. 50 p.
47149900	U.S. Environmental Protection Agency (2007) Submission of Exposure and Risk Data in Support of the Experimental Use of Automatic Insect Fogger D. Transmittal of 1 Study.

MRID #	Citation
47149901	Ross, J.; Fong, H.; Thongsinthusak, T.; et. al. (2007) Experimental Method to Estimate Indoor Pesticide Exposure to Children. Similarities and Differences Between Children and Adults: Implications for Risk Assessment: 226-241.
47155700	Farnam Companies, Inc. (2007) Submission of Toxicity Data in Support of the Reregistration of MGK 326. Transmittal of 4 Studies.
47155701	Durando, J. (2006) Acute Oral Toxicity Up and Down Procedure in Rats: Esbiothrin Flea and Tick Mist. Project Number: 19019, P320/UDP. Unpublished study prepared by Product Safety Laboratories. 17 p.
47155702	Durando, J. (2006) Primary Eye Irritation Study in Rabbits: Esbiothrin Flea and Tick Mist. Project Number: 19022, P324. Unpublished study prepared by Product Safety Laboratories. 17 p.
47155703	Durando, J. (2006) Primary Skin Irritation Study in Rabbits: Esbiothrin Flea and Tick Mist. Project Number: 19023, P326. Unpublished study prepared by Product Safety Laboratories. 15 p.
47155704	Durando, J. (2006) Dermal Sensitization Study in Guinea Pigs (Buehler Method): Esbiothrin Flea and Tick Mist. Project Number: 19024, P328. Unpublished study prepared by Product Safety Laboratories. 25 p.
47230400	McLaughlin Gormley King Company (2007) Submission of Product Chemistry Data in Support of the Registration of Farnam's Esbiothrin Flea and Tick Mist. Transmittal of 1 Study.
47230401	Unger, D. (2007) Storage Stability Evaluation of Farnam's Esbiothrin Flea and Tick Mist. Project Number: GLP/2048, 2048SO, 2048. Unpublished study prepared by McLaughlin Gormley King Co. 16 p.
47238800	Farnam Companies, Inc. (2007) Submission of Product Chemistry Data in Support of the Reregistrations of BPG 400, MGK 326, Piperonyl butoxide, Pyrethrins Containing Product Farnam Wipe Original Formula Fly Protectant, MGK 326, Piperonyl butoxide, Pyrethrins Containing Product Swat Fly Repellent Ointment, and Bioallethrin, MGK 326, MGK 264 Containing Product Esbiothrin Flea and Tick Mist. Transmittal of 3 Studies.
47238804	McDaniel, J. (2007) Esbiothrin Flea and Tick Mist: Description of Formulation Process: Final Report. Project Number: 3333. Unpublished study prepared by Wellmark International. 8 p.
47257800	Kerslig Candle Light (2007) Submission of Efficacy Data in Support of the Amended Registration of Ultimate Bug Candle. Transmittal of 1 Study.
47257801	Jacoby, H. (2005) Product Performance Test -- Ultimate Brand Bug Candle. Project Number: 913/001/02, 7216/2491499/Y008, 7216/2514591/Y019/1. Unpublished study prepared by The Acta Group, L.L.C. 8 p.